# COMMODORE Which disk drive

WIN A SET OF BOAR



SALE·SALE·SALE·SA

SALE-SALE-SALE-SAL





FEATURES · The Light Brigade . Which Drive?

Super Disk Utilities \* CatSort

REGULARS . Data Statements

. Games Update

. . . .



. Basel's Tale II \* Morblew

### CONTEN

		8.1		
Rim Runner     Faturistic action packed adventure	33	•		VOLUME 4 NUMBER 9
Decisive Battles of the America Civil War     Redistic wargaving from SSG	36	•	•	
Competition     Your chance to win a hundred pounds     north of board games	40			ARGUS PRESS GROUP
<ul> <li>Sherfork Your chance to become the world's greatest detective</li> </ul>	42	•	•	
<ul> <li>Relative File Programming Continuing our series, this mouth we do writing and reading records on file</li> </ul>	44 al with		•	JULY ISSUE
Strike Fleet     If recreating recent wars tickles your fance wargame is for you	50 ry, this	•	•	AVAILABLE 3rd JUNE
Saftware for Sale	63			
First Steps This month we look at some typical questrum confused programmers!	66 tions	•	•	1988
* Listings	71			
Back Page	94			
UTILITIES				
Directory Editor A chance to edit your disk directories	13	•	٠	Limited and any reproductive requires the pains writing consent of the Company of
Store Basic programs temporarily in the 64s memory	14	•	•	
<ul> <li>Busic Lister         List a Basic program stored on disk with: having to lead it into memory     </li> </ul>	24 xt		•	
* Easy Basic Toolkit Take the strain out of programming in Bo	37 mic		•	
Disk Sector Editor Examine and edit the contents of year	56	•	•	ISSN

# DATA STATEMENTS



Windrell (BBC TV) faces among the



Teachline: Greenlin Granders: Univ 213 Halford

filled with news, views, facts and

### Widening the Net

Trachline



Assistant Date Protection Repident MPA Limited 5:70 Hallow Screen.

BIFMFNIS

Joystick Wigards

Power House Sydney

The Pawer House: Powerhouse

Truschline

House, Leiceuter Place, London WCZH 7 KH. Tel: 01-439 8665.

Stephen Hall of Grandelan

DATA

# **DIMENSION** computers I.t.d. Leicester LET 4FP HE MIDI AND'S LABORET COMPLITED STORE

Scotter the Master Printer Index 21n not paper 048-45 008-66.

# Games Update



Also of new releases this month but unfortunately, only a few of the titles rise above mediocrity and even among these, there is precious little originality













original although closer countriation whome is to be its more than a Ochen derivation. Yes bounce sound remore than a Ochen derivation. Yes bounce sound rearrivation and the other contribution of a strength of the other countries. There are below in the present through California to the 
game constall in mercher set of breakfers on the calling wingame constall in mercher set of breakfers on the calling winpress may project up to and donn't how. Your demand we 
though it likely so depend on how well your can come 
though it likely so depend on how well your can 
a spranting where of farman, and calloon if by frapping up or

down on shirt-from minimorem.

Yoy lides on the adventure front this month. A from the lefection game law cheever in this treet, and officially all may deal as Wood-Flack from the place of the place o

On A more application of the control of the control

Son happen are to man or that them of the lone street games carried, available but it will gove to be a lone equation to the street of the street of the street equation to the street of the street of the scenable as he different should easily the challengs. Blaric Disearts CHAMHONSHEP SPRINT is to officially termed version of the scenable game. A layer of the street of the street of the street in presented as you neer account one of the eight med Abstractively, so can acting no or dyne over. The game center with a complete range of parameters that you comes with a complete range of parameters that you



plankly firth: r to your own requirements, all controlled by

POWER
simulation is
the barde of
the Japanese
attack in an
cophasis wit
sequences as
learnching to
servers, this
Last but
BASKETRA
poor train of
el four differ
is that they

MARTINIA TO A THE PROPERTY OF THE PROPERTY OF



Cord Shards
of cards, brought to you by Electronic Arm, Associade in
CARD SHARKS, You have the option to play Hearts
(better known as Black Maria in this remarks) posterior

Armonic Armonic

acks the automote and the real thing and is too only to near. The highlights are some of Romeies comments such as a tedd Namey best I was at each of Olici Narth's shredeling survival. For those who only puring some thought into their gaming, SORCEROR LORD from PSS might be just what these no booking for A resultional surrance but in a finitely

# **Directory Editor**

Ry Tony Crowther

necessary messages. The table gives

## 30K RAM Disk

What's the best way to speed up your disk drive? Don't use it!

### By Fuhiem Wagiet

Thy wante time landing and saiding Black programs on of the said programs on the said proceedings of the said said sourced transportably in the 64st minimum. This RAM Dale programs takes over all this with the reministers of fast and roth bather.

header.

A single deliastic of a virtual A single deliastic of a virtual and a single deliastic of a piece of software deliastic or a piece of software computer of software deliastic or a piece of software deliastic or software del

a much higher speed, typically i more than a few seconds for the mi access and londing operation, matter how large the progra Program development can dramatically speeded upaliminating the time taken by a diharing to search for a file. Machance of errors creeping in reduced. The program I have writ provides all the above metalion advantages together with ease of a

The pregures I have written and a pregures I have written a character of the present and a present a construction of the present and a present a construction of the present and a present and a present a construction of the present and a present a construction of the present and a present a construction of the present and a present a p

from Basic Initiatory, Introduction by non-mean a great loss. After who has written a 21K progress? I "solder" RAM in used by the DOS housekeeping, stering and necess the deceleraty, and grow mentalmence commands as well as fast for Khyeten of the RAM of memory.

All in all, the RAM dals adde

renumand preceded by an asteriak (\*). The commands are:

\* "LOAD"filmame" — this loads a file from Ram dok (2 is existe) into

The from Ram dah If it extend into Basic program space. If it is used from program mode (from within another program), the newly loaded program begins networkle resouther. \*SAVE\*Bloname" — 1970 a. See Soon Basic mergery to KAM disk, at

\*\*CLR — clears the RAM fish the ranking all memory available by oft programs to be stored in RAM distributes a formatting procedure).

> pacity remaining for othoptions.
>
> \*ERANETHename" -will crare to from RAM disk freeing to

ther programs.

RUN"Beaume" — same as command, except that when u e. circuit mode, programs, pro

YOUR COMMODORS |une

THE AMAZING EXPERT CA

Compatite Assembly Language Processing and the GOOS as control to the Control of the Control of the Control Price 151 04 9505 80005 

Fittie to Call the Most out of GEOS Software digits pussible for the above books at Offices (SEOS (Metaparon Charts) STOP PAPES DUE TO SPECIAL PURCHASE WE CAN NOW OFFER FONTMASTER-64 AND FONTMASTER-128

TO CO to Print land ( TO THE STATE OF S

COMMODORE INTRODUCES THE ONE STOP OFFICE. NEW AMIGA SYSTEM 500.



revy de an injection faulde.

\*\*PROCOSAMINAL VIEWELTS for the coach of an invest

\*\*PROCOSAMINAL VIEWELTS for the coach of an invest of

SAVE UP TO £414
THE NEW AMIGA SISTEM 500 I
MONO £599 COB
(+ £03.85 WF - £000.85) (+ £3.50

sentine the address. Date of the Commons of the Com





Tible Acade Tale II - Deater Knicks Supplier Flortness

## TOTAL BACKUP POWER NOW ACTION REPLA

NOW EVEN MORE POWERFUL, MORE FRIENDLY A



## The adhye Disk Drives, Hello CD Roms

# Light Brigade By Gooff Booms



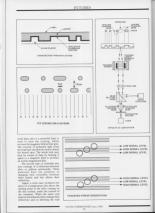
Micros with on to 4Mbotes of

All this gives a data density of borze than any magnetic mechs and giving around ten tames the capacity Although the Laserdisc failed

At the moment CD-ROMs are

YOUR COMMODORS I and 1966

### The WORM has Turned



The whole disc can be a binding it to a temperature the melting point of the shoreupon the alloy rever relegal attracts.

riginal structure.

Philips have produced ememble discs using the semmonide couring which

processed as the seased in the seased in white the dependence.

Enveryer, with both of the processed in the sease of CD-RFMOM rather if CD-RAM. Much research is el one deficiented in finding a resistable manuta use for CD-RAM. However,

nst. With units confaining new drive with a total capacity of a cose of hundred Obytes, the accusity is convertifing ceases to be real important.

For attail system and even hos empaters the CD-ROM will not be a commospiace sight before to long, revue before abstraking com-

row same systems and role to be empared the CD-ROM will not be a commonplace sight before to along, rose before abreability containing. The convenience and efficient of viset quantities of data compacted personnershy stored and see metaffly accounting to two quantities for the suice industry shy boxo for much for poor There, course, how about a game of 7000.

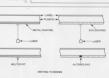
abcdetshijkimaoparstusw INTERLEAVE SYTES

abed ghij maop atuv

RECORD ONTO DISC

agms bhotcioudi\*\*\* kqwflrx

B D O d \* f g h i j h i min o \* g r



C64 PROGRAMMING

The O6's serren editor is presented as servine odder artificial as servine odder artificial period on the size is load from memory, or type to entire design of the care for the service straight on collection of the late. But the service of the service of the service service of the present from the present into two with the old, as the service of the

Leter in a manestee corp program ma differen you to list a Blasic program excerd on shah wishnest hasing is lose at laton memory. This makes it easy to stood hase or submostleme, sty, from marchest pregname, even merge asuppend programs. The Busic later may be used on its own, just use the probability residency. The Busic later can be used on its own, just use the probability program.

System the directory, you will not a type in the directory, you will not a type in the directory code. Sing not the type in the street of the type in the street of the type in the street of the type in the type

ne the ryelan

SYS-0132, 5"
Or:

SYS-0410

The final pair is a wedge pergran
party for your own convenience

The final pain is a wedge program parely for your own convenience, showing you to onit the SVS and just tell.

[Titerame.]

While the program is lating, you

can see the space but to passe, pr RUNSTOP will hait the listing is the material on the secree for of Should you try to list a mon progness, you will get the exgainage on the scores and you be mable to hait the facing. So this happen, RUNSTOP RESTORE followed by

this happen, RUNSTOP RESTORE followed by: [CLOSE] will return things to normal. If you are using the comwedge though, it will need wedge though, it will need

STSES

Table 1 — Basic Lister Community's System 12, "Elemane" to far a postystem 122, "Elemane" to far a postystem 122, "See STS49410 to 1 directory
STSSES to initialize the wedge
,"Elemane" to far using the west.
Score bar passes the listing

I program work hab.

# Basic

By Stephen Barket

Lister

Fille Morphous, Supplier: Rainfield Software, 74 New



# Morpheus

# Morpheus

# **Morpheus**



HARDWARE REVIEW

# Vhich Drive?

O not upon a time life was easy, classing a clark after for your Commodore meant the IS41. New thirs are seven to choose from Commodore here four - IS41, IS30, IS31, IS81 — and shors there's the Commit. Excellentate \* Pins, and Blan Chip. NSS - Fier C128 users the choice is simplier if fall advantage in to the taken of the first loading 128 month, only the IS91 at ISS1 will be nowly the IS91 at ISS1 will be.

5.25 inch disk system be offered by non-Comme trade off against full What are the pitfalls an Commedore 1541 ing launch of the C64, the 1540 vs. a superceded by the 1541 who bendix was a streamlisted match the colour of the C6 small reschanical changes are improved speed.

A few ROM problem appeared on the 4040 were in

appeared on the 4040 wire through the 1540 to the 1541, problem, being that the a replace facility maximizations districty fills an cuset ramb blocks. It's a pity that Cor





the power supply inside the dicasing.

The drives are supplied with, support software but the maleaves a let to be desired. The soon relative files in the old 1541 ma-

to an example ledging with the second second

### Commodore 1570/71

accept that half of their capabilities were sension unused.

If you consider the C128 as to computers within the name shell, if 1570 drive actually contains the storage, retrieval systems and the 157 has four!

orier system clicks into operation bish can also be used for loading CP/ 4 forms of also and, with sostable former, it will forms MS-DOS dalax t that data can be transferred from IZB forms to any MS-DOS PC and

C128 format to any MS-DOS PC and back again.

The extra mode in the 1571 arises became it can use both vides of the disk for storage without the need for lipping the disk. C128D machines have the 1571 drive fitted as standard.

to the continued for Code used. I OS does allow for the drive is used. I OS does allow for the drive is skind bank into 1541 mode of drain. The special facilities which per Box 1008 and CP/M disks to be like as as advanced system of diternanced; called burst are measured called burst are measured which are abor used.

merands called brant in numands which are also used one standard C128 pregnams nable even faster (faster than for that transfer rules. Some pooblems with the II OM have been discovered which

ame inconvenience to users a crisian conditions. Most not tribus problems have apprienced when two or more or open simultaneously, writing the two of the clock is aften show memory DEVICE VILL PRIES. hase recording embines a sides but only one notch is a stabilities are of the second Commoders point out, flipp this over and certaing an our has two potential disastes Mechanically, a felt pad rides

citic over and certain an certa is has two partertain disadvants Mochanically, a felt pad rides on cormally unused side of the fink, this can crase friction damage, second reason stems from the fact, come of the single sided disks rejected double sided disks, The peoblem with the twin has 1371 in that it turns each disk to

1571 is that it tota each click to if it is formated on each ade athough it will recognise the clifford between a double sided dat as flippy, it is a process which can occur the drives internel for quite some if A solution does exist for a problem in the shape of Finance.

ROM deficiencies mentic a few more buildes.

### Commodore 1581

5.53 both system test the many preferenced permit of 2.50 class. The flore generates that arises in what hereifs down a now standed system offer that when court software because productive days of the system of the third days of the coupling of the arises have a greater strange and the coupling of the tandend side, the new data are more regard and have a generic strange wealther her the 2.5 data, have a capacity of 3100 blocks, he byen the crosses 750.00 of available strengs crosses 750.00 of available strengs crosses 750.00 of available strengs

opposed to a more 160% on standard system.

Per serious business uners a programmers the advantage of us increased strenge space become devisors and the deficiency of software the strength of the machine in the State, PSS is

of the machine in the States, PSS is booking sowacis their own immens offense and S. is 3.5 convenion extraor.

As a second drive (with deviaments in second drive (with deviaments in second drive and is for expenditively with both of the CLS.)

Excellerator + Plan FSD-2 This is probably the best knee documents to the 15th has will a

### This is probably the best is alternative to the 1541 but will emulate the higher capabilities of

transfers class as a higher rate and in less than half the size of the Continuous machine, but the power supply is humod separately. A recent competition bested by Fresham Micros offered as Analya for anyone who could find incompatible softwar and, although the results have real set from made eaching we have

from phone rafts to the offers the some examples have been found be nothing of great significance. This is the previous with varyine from the Communitors band. If the systems were identical to the 1541, court case would probably could in these is always the faste possibility that compatibility problems could arise.

Excellenator cocrede the 1541 in the teasing is meral and offers a countrie third against abstract as some reagantic chron-thorous. Multiple data systems have alway been a problem with both the 1541 an 1570/11 distinct. To use a second civil its device number must be change.

abrustina every time the sprans powered up or by hardwing a sinstead change which immediately veids the guarantee. Excellentate anoids this by harring two ownshe ishneed under the dense which can allow any device massler from 8 to 11 to be randy selected.

The main consideration is cost as the Excellentace of their consideration which was the Excellentace of their consideration when With a basic own well below where With a basic course will below the consideration.

offering the GEOS system free seath drive.

Oceanic OC-118N

## he Oceanic drive has a

reful lot! Housed in an ide c casing with identical societs insiches it weald be hard to to 4/Dermir between the two.

Has Chip 5.25

Which Drive!

### Drive Comparison Table

W 11

### Flexebility

Syting

In previous articles we have designed a simple ocessor. Now we want to send the textfile to the printer and save it onto disk or tape

### By Burghard-Henry Lehmann

### Back to Brass Tarks

## is loaded into the accumulator to tell

Next. the low bote of the end Tape Load

## The fourth reutine again does the

because 2000 bates are sent to the

ME REVIEW

# RIMRUNNEF

of onject the gainer, anotherhold planets are cultured by a remarked. Because the constant at least the control of the control

das of

Charles and the leaf of the county to come the same to be a second of the county to come the same to be a second of the same to b

Tipe 1377 MARIEN TO NOT ON THE TOTAL OF THE

Touchline:
This: Kon Summer, Supplier: Palace Softwar
Penconsille Bond, London NJ, Fel 03-278-0751, M
Crit. Phys. E 59 PC 12, 12, 29 (DA).

# KEEP IT SIMPLE!



y is use NEXTONS and PULL CORY
Strong yes to select
a solution manage based or STEMAL WORLDWAY

STEMAL WORLD









india: motum port, jejmick port, cam apand, sorwen ockum, policie cam, beytonand slink, brytonand seel. ACCLAPCE

the same date of a LID behavior of the same of the sam

POSE MEDICUS.

BI you to spen directions from the sand driven, sort and print direction were produced. In the sand driven, sort and print direction.

Fig. 7 (1997)

WESTOW

due that and normal modes.

FER WESTOWS

Detroin, RC SSC, CROUP ; STER WINDOWS ASED THER WINDOWS

THE FINAL CARTRIDGE III

The high-resolution bit mapped windows are selected from a seem han An animated number
windows can be open on the acress as the time. The windows can be freely served on the sores

# BROOKER

continue source and Livrogen CSA, wondown.

Transferms a normal joyatick to an

Servicing up and down GAX NOM UMM sooses Sprite wither Character wither

CARTRIDGE III

Almost all commands and function that are not activated by windows can be selected from a menu bar, which sating the fire button, either in lowing Runic Toolkit and lawboard

PERMA CARTECIDAR IS A SIGNEY DOWN THE Dility Teaching Countries to give your 64/128. The revised PINA CARTRIDGE III

OMY £39 to POST ERE

LECTRONIC:

# **Decisive Battles** of the American Civil War

current in a long, long long time (which is





DEL tourtend This will Device

VAR will damp all the variable names

## C64 UTILITY ...

NAME org name" and DATE date"

DOS'disk command' can be used to

APP'Glesson" (append) and MIS

## COLUMN TO SERVER

Getting it all in

The highly socialmed series of superb Now fully available in the UK.

PEACH FOR THE STARS' (Galactic Empire building) DECISIVE BATTLES OF THE AMERICAN CIVIL WAR YOL

BATTLE FROMT OF WAY II DUTTON

But & Measure (SSETs non-probyels and new scenarios)

Landon Games Warehouse Ltd. Tel: 87375 53600

SOOP ASSESSMENT OF OF PROOF TANKS WIND A sephatosted terrores symbolic assention and an action admirate supports tape and dear forig. The assention octoor shall support to make may at the resident is memory as the resident in transport Please specify' options. Eard chappe PO, or order by Polose include VAT and PAP. Greeness orders and 62.55. After up in I need for oblivery. YORK ELECTRONIC RESEARCH

VALUE AND TERMINAN, SA or Plant beauties."

PETITION

It's Back to the Board Game



worth of board gar

Very treased up with CDS
to this meeth's compocicion and score great
genes are up for gode. The Colesson
series (Chess, Bridge, Maj Jong) will
go to the hady winner, and ten serie
of Maj Jeng will go no the ranner
up, So jout pen to paper new!

Here to Exter

How to Enter

Study the two carsioons on this pagthere are a manufeer of delivering
there are a manufeer of delivering
the compact the carse of the
compact the entry copper and send
is the editorial address two compacWrite the number of deliversors the
you have found in the basis of II
ornedope. If you during your entry we

The Rules

Entries will not be accepted from employees of Argas Specialist Publications and CDS. This restriction also applies to employees families and agents of the companies.

The Hore on Source section forms

Board Games Entry C Name Address

Closing date: 30th June 1988

Post to: Your Commode Board Game Competitio 1 Golden Square, Landon WIR JAB

-----

# DON'T GET LEFT OUT... GET IN ON THE ACTION

CAMMODDRE BSK 658R is a for more than just another comparler magazine. Every issue carries a fiskette containing more than £30 within it software ranging them serious pregromming utilities to arcade games. Then any plerty of Commodoler regardless or the market, but we believe that this is the Avist to cater for étak users of all ages and fastes.

PONTREAS CHURCH
VONTREAS CHURC

COMMISSIONE DISK USER Is what you have been westing for - take our a subscription TODAYY



INFONET LTD., 5 River Park Estate Berkhamsted, Herts. HP4 1HL.



# SHERIOC

# "£229 for all that?"





# Relative rogram

220 print # 3,crgnesh3610

Don't forget to OPEN the absented

# eFile ming

The second installment deals

Re Eric Ramsay

## BASIC I - READ

That should be long enough. Now

angin and we will be seen concach DISKS for display and pominhous several Read operation. Of creams, when writing yoreasins, you might wish to details of horse many shanest available in each FRILD in inputed. My own programs reverse have on the source on whi-

injuried. My own pregrams become has the content which character of the FPILD in she in reped and assistantically in PRFITTING method. It also oblive our characters from the keyboard in porvent confusion, but that in outside the scope of this strike. So some we have the RFF

povent confusion, but that is no suitable the scope of this artists. So now we have the RECOR ready for writing in the string DISP We have one more check to mal Supposing that, on the 64 the legs of the RECORD in greater than characters? Only 85 (denotative can impacted by a single read frees the division would be made that some of \$450 CMP and the sound of

ceits to the separative again.

BASSC T — Collecting the Revuel

If we were to suparate every FEELD
with a careing return CHESCHJ then
ne would have to road every FHLD
apparately, since a READ operation
would stop as soon as it reached the
flax carriage retrain schemater is the

net wealth have to read every PHLO opposited, seen as EAO opposited swed seen as EAO opposited swed seen as EAO opposited swed seen as EAO opposited seen

shanners for the 12% is to sight sigte DISKS as a standard place and their read the RLOORD on either side of the separation. Before we can mile the string to the RECORD we must check for the length of the string. 2565 of the Cought of the string. 2565 of the Cought of the string.

remember, is stored in the LREC and this Encidence of of the RECORD and in reactions promitted in the following contine will new se-Saring DESSS into two pt 1998 (1) on the or BEC

CHRS(1) so that the RECORD is the read in two parts. The Wr Equation is not affected, and 1 HELD Proberts Routine has alread descend this change in the RECOR Length. (Refer to part one.) Then whatever is left of DISKS is put into DISKS in put into DISKS in put into DISK into DISKS in DISKS into DISK into DISKS into DISKS

INT. DISKS, which now has a CHBS(I) is in 1664 character. 3992 disk-elly-olfs 1996 enters The collection Sizing is now ready for writing to the RECORD in the File.

ASSC 2- Soing Collection for 64 gives us twice this problem see the buffer can only handle a aximum of 85 characters in a single and from the disk, Signs 11.

maximum of his characters in a concernal from the disk. Sides II in consociouble that you might have it in a 2.5, emanting that for a followed in RECORD yes would need two reputables. E at this point you devide to use a separate for every HELD I would

FIELD pointers remine:

BASSC 2 - Field Pointers with Field
Separation

3520 oces \*\*\*\* calculate pointers (510 hoce | 3540 for a | 0 to c 1550 for c | recePIELD(a) 1 rem \*\*\* auto calia byte be (550 for (a\*1)+free 3520 rest afpaid(b)

As you she is added to LR of course, the a length of RI

2540 input 2545 fs816 2550 dak: \*\*\*nete th 2560 next

operation. In coperation. This bearing is reled 1371 actually we they read. In situately read, In situately

nou paid your extra money!

BASIC 2 - Full Becord in The
Calculate FILL D. Poisson
ends.

5520 rees \*\*\*\* calculate
poisson
5530 lene11

Spring Collection with Field

uisates 540 for a = 0 to c 550 free = 1 fee = FEELD(a) 550 fpe (a 1)/rec 579 feet a 580 fpo(8)+1 581 flee < 28 thes 3590 584 fleet free 1

return

g Collection for Three Brade

ees \*\*\*\* special case fee 15-lefdsdsik\$,87)+

3992-415-1efdodiskS,R7)+ clad\$(17) 3993-425-mid5(4)-b5,R8,1ee6diskS 3994-696S1415-425

3994 dob51d15+d25 3994 dob51d15+d25 3996 d15trief(64b45,175)+chr5(17)

BASIC 3.5 - Writing the Re-

## PROGRAMMING will read the RECORD, which is not

Record Read - BASIC 3.5- 2 Read

BASIC 2 - Record Number

## PROGRAMMING

Service March Conference of Co

| Section | 1 | Note contained by the co

BASIC 2 - Field Separation Brad

Indistruction of the control of the

And then add all the initiage character represented by the supplies to make up the whell Doka.

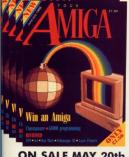
### (\$150, the result flow, the results in th

| 435 dids-Casks-did-| 25 steam | 4130 rems | 8-80C 3.5 FHEAD | | Sequent Pass (ECCOD) | 1140 steam | 1450 s

| 1955.5 To see it you may write | 1955.7 To see it you may write | 1955.5 To see it you may write | 1950.5 To see it you may write

# Strike Fleet





TUC

ON

SLI

NMO

ON SALE MAY 20th
ONLY £1.50

For more

Editorial: Stuart Cooke 01 437 0626 ext 215 dvertising Paul Kavanagh 01 437 0626 ext 306



Drive Member this works the same

information is front of you. Need I

Product: Super Disk Unitary



FREEZE MACHIN ONLY E7.55 Sefected AMOS Means a Chasse, A very profit AMON for \$4126 coon. High quality most WA POWER PACK, Date Cody \$60 to MOTHERBOARD, 4 and with either at

(A40) 20 20 TEC SEMBEGGEFFER. The bear from the first three fields of 64.00 Februaries 81 soldies as the decision of 64.00 Februaries 81 soldies as the decision of 64.00 Februaries value. The first three fields of 64.00 Februaries 16.00 Februar



## **Sector Editor** Examine and edit the contents of your Commodore

1541 disks By Mike Fulton Summary Of Commands

This program forms a very drive. It's very compact in size, yet has

## Command Details ..

AMCHUREN: When this command is

PRINT T/5: This command causes

EDIT 1/5: This command allows full

ERROR CHN: This command displays the states of the disk drive.

# DATEL ELECTRONICS



3 SLOT MOTHERBOARD

Amphiliment in Debugsian high page in Nijedian in Debugsian in Debugsi

DATA

2007 Totalers require his new Jaconson Understored in 2000 District of a said in OMAY #24.99

ому €24.99

WART CART

SMART CART

The pro set hore at EX or BER
strictly that you program the
lift then sets EX a BER
(JP 1 37 June 1974)

JP 2 37 June 1974

JP 2 107 June 1974

Displaced decompose promptime in this bit is settled. The conversal exercises for temporary and the temporary and the conversal exercises and the conversal exercises. We also not a reference conversal exercises and the conversal exercises are conversal exercises and the conversal exercises and the conversal exercises and the conversal exercises and the conversal exercises are conversal exercises and the conversal exercises are conversal exercises.

JAN WARE THE FIRST THE STATE OF THE STA

UTILITIES

THE PROPERTY OF THE

prehimorique Kim pre laire a sidiment Spissenti — lei di authire prepara and pre bits six authorige. The process bases common della are spissente et autoria della en la seconda et autoria della DISKONATE II DISKONATE the who uses their p chip to a must. If a is use and the end is impressive" — To y, Jan 57.

May £19.99

BLAZING

« Rightpun/graphine Eile

" Name theme graphine prime in

the after quarter points in

the after quarter prime in

software societies

name of Antonia (

) Primer dang of National

(

) Primer dang of National

to the quasi ighipe opter to colonia to indicate to indicate the behavior of the property of t

TOOLKIT IV
The Wilman did social for the 1990,
TOOLKIT IV
The Wilman did social for the 1990,
To come the social for the 1990,
The Wilman did social for the 1990,
The Wilman

10 Outpellinations had softward
10 Outpellination | Durade did

Thinney ONLY ED. OC

COBOTEK 64 Made Company (Appendix of the Company of

LINE TO SECURE A STATE OF THE SECURE AS A STAT

ONLY \$29,99 or disk

# DATEL ELECTRON

ONLY ER

W 1010 OMO F12



9 CABLE ONCY £14.00













# CatSort

BEQUENTIAL DISK LISTING

\* 73 TANEH 88 10 200 PROE 03/65/98 DICK AD. COL \*
ASSEMBLER: CAT LANGE LINKEY MELTICHT-PROSS FLUSIDAD
WEDS4-8007

ny communicial software.

The last option in set-up in telling the program, what seet of printer you set using. Only printers that use the formal Commendane serial port are

m soing. Only pristures that used the first surface Assembled serial port are inopported.

The surface of the surface of the surface surface of the surfac

Dob. Editor and it has over now swinten edido Than I and Than I' any oldy want to put the actual program like ones the Millor. Various opening the ware for the actual program the wage including the ability of damps the name of the debt in some offer, you can write the new name of the debt. Yes can change the name of the debt. Yes can change the name of 2 file but this only changed with Specific, it is not written to the oliginal debt.

objects, or compared to the compared to the MDD you can start to tee the raid power of Supur-Cas. Walked to the discovery of Supur-Cas. Walked to the discovery healthy you have the option to list on the sureon the content of any disk regressly by questing the dail number, this number is either assigned by you when you must the disk consent to the MDD or let the compared to the MDD or let the compared to the MDD or let the compared to the MDD.

recting dis option gives you facilities to updaring the memore ciscovery. This the same as entering a click to the same as entering a click to the same as entering a click to the click of the control of the control of the control of the control of the click of the

This section of the programs aggress you the shally to a small, Cathon Dail, An always precision of a single property of the property of the section of the

Catalog Sort

i. Each time that you have updated MDD this disk needs to be wated from sentish as that the file tents are up to date. Creating this disk can take some or as well as a large amount of disk spring, solless you have more than drive. You may therefore want to Drinting Reports

There are numerous options if printing out reports. Should you ha a basis' printer that docum's suppo-

SUPERIOR INSTER DISECTORY
ALPHASETICAL LISTEMS
MAYE DISK
1/3 TRACK SEAD DOS
AVAINATOS
OCE
ASSETSLER, DAT DOS
SUCCESSES, DAT DOS

PERSONAL TO PERSONAL TO PLUSTICUTE - PROS PLUSTICUTE - PROS PORT - PROS SANTAX CRECKER TAPE HEAGER WEDSSA ROOT

Final Thoughts

Name: SuperCut. Supplier: Financial

WARRENLINDE STATES

AMIGA CHANGES CONDUCTION MUSEUM CONTESTS Weaks stock top quality tractor feeds for the MPS803 with OUND SAMPLER

Print at OMY 629.95.

JANUARY 1988

ARRAY DISPLAY SUBBOUTINES - DERENG YOR CHES

## DEADERS SERVICE ... EXTENDED BACKGROUNDS - About the horizon

APRIL 1988 -

AUTO START MAKER - Give your disk programs that

Commodore Modem Revealed - A small basic program

MAKING GEON BRITISH - Have you over wished that

MAY 1988 ... DESIGNER - A powerful drawing package for C64

80 COLUMN VIDEO - A simple 50 column charac

## ORDER FORM - PLEASE COMPLETE IN BLOCK CAPITALS

NAME	QTY .	TAPE/DISK	ORDER CODE	PRICE
JUNE 1988		TAPE (E4.80)	YCJUNSS	
JUNE 1988		D1SK (£6.00)	YDJUNESS	
OVERSEAS	POST £1			
		Transfer Vi	TOTAL	

I molesa a checum/postal order for E. . . . . made provide to ARGUS SPECIALIST

Please allow 20 days for delivery.



# First Steps

Take some good advice and you'll dispell those buxes litting blues forever By Norman Doyle

"The program looks shight when I

8 AND 16 RIT STUFF A Powerful Wordprocessor for the Commodore 125 From the market of Franciscone & come Fundaments ICS, as enhanced coming to Commodism 128. The prescribe and prescript with a man different processing to

beginn on his a few of its many application.

# Programs that with no probabilist — also hardware key

# Supported this include hough language horis.

# M From many to see Only £49.95 incl. Support more than 110 princes
 Support more than 110 princes
 Substitute of 70,2800 word Spell Charley
 Interest purpless within two or superimpose text over them and tune this package into a Deal Top Publisher.

HATMASTER now rooms with a Clip Art Disk - rahed at 25 - included. We now have 9 Clip Art Disks and a 16 dec person disk at 43 cach. Five this for the print of Four and all ten for the print of sents. All the disks tax-

AMIGA

No. 305 years able to collect years of these memory representation. These are increased beauth for the ADDX CLAMES and the ADDS CLAMES AND CLAMES AND TATAST STATES AND ADDITIONAL TO ADD THE ADDITIONAL TO ADD THE ADDITIONAL TO ADDITIONAL TO

**MACH 128** to Decimal convention, plus many more features along with a reset

UTSK. UTTRE PTODORESTY

37 11 1611 Care Adopment paskage to Press Spirit Software response
Distribution of Adopment paskage to Press Spirit Software response
Distribution Telephane and the date of the exploration Adopment
Distribution Telephane and the date of paskage and the contribution of the press of the date of paskage to the spirit spirit software. In the contribution of the paskage to the spirit spirit software and the adoption of the date of the contribution of the paskage to the spirit spirit

New COMMODORE Version 5 ROM

Catalogue Those Disks! Catalogue Those Diskel

Outer Dat Librarian will catalogue up to Chill THOUGAND disk
and Dat Not Table Telepistado Tilly (4.860/80) Programa into anner

The Next Generation Basic - Basic 8

READ AND WRITE IBM FILES ON YOUR

THE OFFICIAL COMMODORE MOUSE Timeworks Software

TEREWORKS countements.

The popular collection of business for the 126 is now available at the new retail price of \$9.95 4468, ProcWitter 126, a but feedband 40 or 60 column word processor; Sw/90c46, 126, aprend afset with Financial Systems Software Ltd

2nd Floor, Arsbrian House, St Mary's Street.

Vehicebooks (\$388) 750211 Foreign Orders add £2.50 per package.

## Listings

Car it rioks first time with our delvice arounous system

appear in a listing. This is a delete

Macreeic	Symbol	Keypress		
(BIGHT)	0	CESE MOVIE		
HERE!	100	SHIPT A CO.		

## BUY TEN TOP QUALITY BRANDED FLOPP AND GET TWO FR

592 foppies, the most reliable and dependable diskettes on the market Look at the prices below, let alone the hostine. They may include MET and



Delta Pi Software Lte

## Free Disks +1 Free Disk

Single sided, deput \$7.47 We seem efter you one founds demails 4 the \$8.80 to Church sided, deput \$8.00 to Church sided, demails 4 the \$1.00 to Church sided, demails 6 the simple (date) (date) demails (date) (dat

To serier and phones up on COSS 598200 – Whose services rounded from the time address telesis tro-starry required, of raside as to concept of the address of

CMMPUTEC

the Independent
Commodore Products Users Group

Commodore Products Users Gro is the largest and most friendl computer club in the country

Many local groups with regular incentings
 Sporch Numeletin included in resemblerable -)
plus pages at reviews, news and information
over the resorbh.
 Wis support all Commoders Machines old an
ears PET. VICES, 64, 18, -4, PC, 158 and
AMSGA.
 Free Spotware Library of public domain.

programs for all the account recording an to members on supply of blasts disk or it payment of pay, have members, do not this until membership number is receive this part Advice Ciscount scheme

fiscount scheme ubscription only £10 per year (UK) plus : shring fee are sensusty interested in using or program

(CPUC Membership Secretary, Jack C. Coll 30, Brancaster Road, Newbury Park, Morel, Essex, 1927 (P.



## MAIL ORDER

draw the purchaser's money must be refunded. Prese letter proof entherniteseasin, as this may be tended. Mail Grain Protection Schame

# Listings

## BYTING INTO THE 65H

IF EUROR, EXIT STRAIGHT AWAY.

170		DCS EXIT	1030	HOHITGHS	INC CECHERNOOL	
		DOS BLIT TRETFILE OS DOMMES: TEATFILE. LEA #(10000 EDA #510000 EDA *FECTFILE EDX *FECTFILE EDX *FECTFILE EDX *FECTFILE	1050		INC >ECHERNOOL	
100	; RESPRINT	TEXTFILE OF DURINGS	1090	Anneana	Cha appearers	
					CHE CIRCIPILE	
20						
90					WALT FOR EXTENSE	
30.						
0						
		LDA #<1024	1100		CHP #32	
		LIA # C1074 STA CECHERREN LIA # 51074 STA >COMERNMEN LIA # 65260 STA COMERNOOL LIA # 65260 STA >COMERNOOL				
		E SCHEEN.				
	100.000					
				MARK! BOTT!		
				DIAME PILE		
		JER 88544 COMPUTER ISTO S MODE.				
10						
10						
	love over	ACTED FOOM PEVERILE	30		NOT 100	
	GET CHA	MACTER FROM TEXTFILE.	40	HATFILE	EW 100	
	GET CHA	MACTER FROM TEXTFILE.	30 40 50	TESTFILE	EMU 100	
	UET CHA	LLY SO	90 40 50 60	THE THELE	EMU 100 EMU SPYRO EMU SPYRO	
	PRINTLOOR	LLY SO LEA (TEXTFILE), Y	90 40 50 60 70	THE TYTLE	EUU 100 EUU 87770 EUU 87770	
	PRINTLOOF	LLY SO LOA (TEXTFILE), Y	90 40 80 60 70 80	TERTFILE DETRAM DETLIFE OPEN CHECKYT	EUU 100 EUU 87770 EUU 87770 EUU 87770 EUU 87770	
	PRINTLOON CONVENT	ACTER FROM TEXTFILE.  LLY SO LLY ST.  LOA (TEXTFILE), Y  ASCLI INTO SCHOOL COOK.	90 90 70 80 90 100	TERTFILE DETRAM DETLIFS OPEN CHECUT CR	EMJ 100 EMJ 8FFFD EMJ 8FFFD EMJ 8FFCD EMJ 8FFCD EMJ 8FFCD EMJ 8FFCD	
	PRINTLOOF	MACTER FROM TEXTFILE.  LIVY SO LOA (TEXTFILE), Y ASCIS INTO SCREEN CODE.	30 40 50 60 70 80 90 100	TEETFILE DETEMM DETLIS OPEN CHECUT CH	EMJ 100 EMJ 8FFED EMJ 8FFED EMJ 8FFED EMJ 8FFED EMJ 8FFED EMJ 8ALUT EMJ 8ALUT EMJ 8ALUT	
10 10 10 10 10 10 10 10 10 10 10 10 10 1	PRINTLOOS CONVENT	MACTER FROM TEXTFILE.  LIV FO LOA (TEXTFILE), Y ASCII INTO SCHEEN COLG.  OUT #128	30 40 50 60 70 80 90 100 110	TEATFILE COTEM SETLES COTES CHECUT CR PRINT CLOSE	EMJ 100 EMJ 8FFED EMJ 8FFED EMJ 8FFCD EMJ 8ALUT EMJ 8ALUT EMJ 8ALUT EMJ 8ALUT EMJ 8ALUT EMJ 8ALUT EMJ 8ALUT	
10 10 10 10 10 10 10 10 10 10 10 10 10 1	PRINTLOOK CONVENT	MACTER FROM TEXTFILE.  LLDY 80  LLDA (TEXTFILE), Y  ASSIS DATO SCHEEN COLG.  OUP \$128 BOO SKIP BOO SKIP BOO SKIP BOO SKIP	30 40 50 60 70 80 90 100 110 120 120	TRATFILE ESTRAM SETLPS OPEN CHECUT CII PRINT CLICK CLICK	EMJ 169 EMJ 8FFE0 EMJ 8FFE0 EMJ 8FFC0 EMJ 8FFC0 EMJ 8AAUT EMJ 8AAUT EMJ 8FFC3 EMJ 8FFC3 EMJ 8FFC3	
10 10 10 10 10 10 10 10 10 10 10 10 10 1	CONVERT	MACTER PRON TEXTFILE.  LIV #0 .  LOA (TEXTFILE), Y  ASCII INTO SCREEN COLE.  CHP #128 EDC SRIP	30 40 80 70 80 90 100 110 120 140	TRETFILE DETEM DETLIFS OFEN CHECOT CR PRINT CLOCE CLECH	EMJ 100 SAJJ SFFFLD SAJJ SFFFLD SAJJ SFFFLD SAJJ SAJATY SAJJ SAJATY SAJJ SFFFLD SAJJ SFFFLD SAJJ SFFFLD	
10	PRINTLOOK CONVENT	MACTER PROM TEXTFILE.  LLY 80  LLA CREITFILE), Y  ASSIL DATO SCREEN COUR.  OUP 8128  BOX CRIP SOUR SUPPRESS CASE SOUR SUPPRESS	30 40 80 70 80 90 100 110 120 140 150	THETFILE SETSAM SETLES OPEN CHECUT CH PRINT CLOSE CLECH	EMU 100 EMU 8FFFLD EMU 8FFFLD EMU 8FFFLD EMU 8FFFLD EMU 8AAUT EMU 8FFFLD EMU 8FFFLD EMU 8FFFLD FUT CHANNELS TO P	
10 10 10 10 10 10 10 10 10 10 10 10 10 1	PRINTLOOD COMMENT SKIP	ANTER FROM TEXTFILE.  LEV #0  LEA (TEXTFILE), Y  ABULI INTO SCHEEN COLE.  OUF #128 BOC SRIP ESC SRIP LOYER CASE OUT SRIP	90 90 90 100 110 120 140 150 160	THETFILE DETEMM DETLIS OFFEN CHECUT CHECUT CLOCK CLECH OFFEN OUT	EMJ 100 EMJ 8FFFD EMJ 8FFFD EMJ 8FFFD EMJ 8FFFD EMJ 8ABAT EMJ 8AFFCD EMJ 8FFCD EMJ 8FFCD EMJ 8FFCD EMJ 8FFCD	
10 10 10 80 40 80 70 80 90 90 10 90 90 90 90 90 90 90 90 90 90 90 90 90	PRINTLOCK CONVENT	MACTER PROM TEXTFILE.  LIF WO LIA (TEXTFILE), Y  ADDIT INTO SCREEN COCK.  CMF NISE BOOL CRIP 100 COCK.  COC NISE BOOL CRIP 100 COCK.	90 40 80 90 90 100 110 120 140 140 140 150	TERTFILE DETEAM DETLIFS OPEN CHECUT CR CLOCK CLOCC CLOCK CLOCK CLOCK CLOCK CLOCK CLOCK CLOCK CLOCK CLOCK CLOCK CLO	EMU 100 EMU 8FFRD EMU 8FFRD EMU 8FFRD EMU 8FFRD EMU 8AAAT EMU 8FFRD EMU 8FFRD FUT CHANNEELS TO P	
10 10 10 10 10 10 10 10 10 10 10 10 10 1	PRINTLOOD CONVENT	AACTER FROM TEXTFILE.  LLY WO LDA (TEXTFILE), Y  ARRILL INTO SCREEN COCK.  OW #125  HOT SKIP 125 HOT SKIP 125 HOT SKIP 125 HOT SKIP 125 HOT SKIP 126	90 40 80 90 100 110 120 140 150 160 170 170	TRETFILE LETEAM SETLPS COPES C	ESU 101 ESU 1877ED ESU 1877ED ESU 1877EO ESU	
	PRINTLOOF	D BOOK.  LIVA 914 JEE 98716 AACTER 950H TEXTFILK. LIVY 90 PLAN CTRENTILK), Y PLAN CTRENTILK), Y ASSULT HATO SCHEEN COCK. COMP 9128 BOOK SKIP BOOK	90 40 80 70 80 100 110 120 140 150 160 170 180	TRETFILE TRETFOR DESTROY DESTROY CHE TRETFOR CLOCK CLECH OFEN CUT		
93	PRINT CO	MACTER FROM TEXTFILE. LEY TO LING (TEXTFILE), Y ASSITS INTO SCREEN COLE. OUT SIZE BOOL DELT DOO GOS BOOL DELT DOO GOS BOOL DELT BOOL DELT LONG CASE BOOL DELT LONG CAS	90 40 80 70 80 100 110 120 120 140 150 160 170 180 200	TERTFILE DETRAM SETLES OPEN CHECOT CHECOT CLOCK CLOCK CLOCK CLOCK CLECH LOPEN CUT	1.08.04	
	PRINTLOOF COMMENT SKIP FRINT COMMENT	AACTER FROM TEXTFILE.  LIV TO LOG CTESTFILE), Y  ABULI INTO SCREEN COCK.  CMS WISE BOO DRIF   USTFOR CASE INTO BOO BOO DOCK  DOC PRINT BOO ONLY  INTO COCKETO SCREEN,  DITA (USESSERMON), Y  LOA MO	90 40 90 90 90 100 110 120 140 150 180 180 180 200 210	TRETFILE TRETFOR DESTROY DESCUT CHE FRIST CLOCK CLICK CLICK IOPEN CUT	LOA #4	
00	PRINT COMPENT	AACTER FROM TEXTFILE.  LIV RO LOA CTEATFILE), Y ADULT INTO DISSEEN COLS.  LOY FIRST BACK SKIP ESC COLS  LOY BACK LOY BACK BACK SKIP ESC COLS  LOY BACK LOY	90 40 80 90 90 100 110 120 120 140 150 160 180 200 210 220	THETFILE TESTSAM SETTLES OPEN CHECUT CH CHECUT CLOCK CLECH COPEN C	LOA #4 TAX LOT #255	
	PRINT COMPANY SELP	MACTER FROM TEXTFILE. LIV TO LOC TEXTFILE), Y ASSILL HATO SCREEN COLG. CMF \$138 BCC SELP SCC WAL LOTER (ACCESS COLC PRINT LOCE PRINT LOCAL COLC	90 40 90 90 100 110 120 140 150 160 170 180 200 210 220 220	TEATFILE DETEAM DETLIFS OF BR CHECOT CHECOT CLECK CLECK LOPEN CUT	LOA #4	
	PRINT CONTROL PR	MACTER FRONT TEXTFILE.  LIVY 80 LIAN TEXTFILE), Y ARROLD INTO SCHEEN COCK.  OUR \$128 SOURCE, 107798 CARE OUR SIGNAT SOC SHAP SOC	90 40 80 90 90 100 110 120 140 150 160 170 200 210 220 220 240	TERTFILE ENTERM ENTIPS OPEN CHECUT CHECUT CLOCK CLECH OPEN CUT	LOA 84 TAX LOT 9255 JGR DETLFS	
90 00 10 20 20	PRINTLOSS CONVENT  SKIP FRINT CL FRINT CL FRINT CL FRINT CL	MACTER FRONT TEXTFILE.  LIVE 80 "CLEAR TEXTFILE", Y AROLL INTO DISSESS OCC.  DOS PIESE SOC SOLE INTO SCHOOL OCC.  CHE FIESE SOC SOLE INTO SCHOOL OCC.  CHE FIESE SOC SOLE INTO SCHOOL OCC.  CHE FIESE SOC SOLE SOLE SOLE SOLE SOLE SOLE SOLE TEXT SCHOOL OCC.  TEXT SCHOOL OCC.  TEXT SCHOOL OCC.  TO SEXT FILEST FOOLTION.	90 40 90 90 100 120 120 140 150 160 170 200 210 220 220 240 250	TEATFILE EXTENS EXTLES	LOA #4 TAX LOT #255	
90 00 10 20 30 40 50	PRINT CONTROL	MACTES PRON TEXTFILE.  LAW 800.  LAW 100.  LAW 100.  LAW 100.  MADEL BY 300.  MAD	90 40 80 90 100 120 120 120 140 150 160 170 180 200 210 220 220 240 240 240	TRATFILE JOTEM CONTURE	LOA #4 TAE LOT #255 JOE CETLES JOE OPEN	
90 90 10 90 90 90	PRINT COMPENT  FRINT COMPENT  ALPARCE	ALOTE PROFITENTIAL.  LOT 90 LOT 100 LOT 100 STORY STORY SERVICES OCCU.  ASSETS INTO SCIENCE OCCU.  SOCI MATA SOCI MA	90 40 80 80 80 90 100 110 120 140 150 160 170 180 200 220 220 220 220 220 220 220 220 2	TRATFILE LESTNOM SETLIFS OPEN CHECUT CIL PRINT CLOCE CLECII LOPEN CUT	LOR 84 TAI LOT 9255 JOB DETLES JOB UPEN	
90 00 10 00 00 90 90 90	PRINT OF PRI	MACTER PROFITENTFILE.  LOT 90  LOT 100  CH 1202	90 40 80 80 80 80 80 80 110 120 120 120 120 120 200 210 220 22	TRETFILE INTERM INTERM INTER I	LOA #4 TAE LOT #255 JOE CETLES JOE OPEN	
90 90 90 90 90 90 90 90	PRINT COMPENT  FRINT COMPENT  ALPARCE	MACTES PRON TEXTFILE.  LAW 80 OF STREET  AROUT INTO SCREEN COCK.  COF \$100 SOC SECT.  SOC SECT.  LOW \$100	30 40 40 80 70 80 90 110 120 140 150 180 220 210 220 220 220 220 220 220 220 22	TRETYLLE INTERM INTLIFS INTERM INTLIFS INTERM INTLIFS INTLIFS INTLIF INT	LOA #4 TAE LOY #255 JOS DETLES JOS UPEN LOE #4 JOS CHECUT	
90 90 90 90 90 90 90 90 90 90	PRINT CONVERT  FRINT COPPRINT  ALWANCE  HORIGINE	AMOTHE PROFIT TEXTFILE.  LOW YOU LOW THE PROFIT TEXTFILE.  LOW THIS PROFIT TEXTFILE.  AMOST INTO SCIENCE OCCU.  AMOST INTO SCIENCE OCCU.  SOCI MILE  SOCI MAIN  SOCI	90 90 90 100 110 120 140 140 180 180 210 220 220 220 220 220 220 22	TRETFILE INTERM INTERM INTER I	LOA #4 TAE LOY #255 JOS DETLES JOS UPEN LOE #4 JOS CHECUT	
90 90 90 90 90 90 90 90 90 90 90 90 90	PRINT COMPART  FRINT COMPART  FRINT COMPARCE  ALMANCE	MACTER PRON TEXTFILE.  LIVY 80  LAC TEXTFILE), Y  ASSOCIA INTO SCHERE COGE.  COST #122  ECC #122	90 40 80 90 100 110 120 120 120 120 120 120 120 220 2	TRETFILE ENTRAM SETILATE COTES	LDA 04 TAI TAI LDT 9255 JOR DETLES JOR OPEN LDE 84 JOR CHECUT TEXTFILE.	
00 00 00 00 00 00 00 00 00 00 00 00 00	PRINT COMPART  FRINT COMPART  FRINT COMPARCE  ADVANCE	AMERICAN PRON TEXTFILE.  LOW TO RESTRICT, YAR AREA TO SCHOOL OF THE STATE OF THE SCHOOL OF THE SCHOO	390 40 40 60 60 70 80 80 100 110 120 120 120 120 120 220 220 22	TRETFILE CETTAM SETILIFS COPEN COPEN CLOCK CLECH OPEN CUT	LOA #4 TAE LOY #255 JOS DETLES JOS UPEN LOE #4 JOS CHECUT	

#### 



# LISTINGS

Control   Cont				
100   100				
100   100				
OF STATE ASSESSED FOR STATE OF				
Compared Control Prints (1987)				
SOUTH THE STATE OF				
OF STATE AND ADDRESS OF STATE OF STATE AND ADDRESS				
THE STATE OF THE S				
100   100				
100   100				
19   19   19   19   19   19   19   19				
THE PARTY AND THE WAY IN THE PARTY IN THE PA				
Column   C				
March   Marc				
A				
STATISTICS COMMENTS AND COMMENTS.  STATISTICS COMMENTS AND COMMENTS.  STATISTICS COMMENTS AND COMMENTS.  STATISTICS COMMENTS.  SATIS				
1				
10   10   10   10   10   10   10   10				
MATHEMATICAL STATEMENT OF STATE				
MANUSCHI GROUNDELLE SINCE STREET STRE				
1				
1   1   1   1   1   1   1   1   1   1				
Color of Color   Color of Color   Color of Col				
100   100				
CONTROL TOTAL CONTROL				
1				
Man Street   Man				
100   100				
JOHN CLOSE TO STATE OF THE PROPERTY OF THE PRO				
June   CALLEY   100				
100   100				
THE STATE OF THE S				
TOTAL TREATMENT AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATIO				
THE CONTROL OF THE CO				
100   100				
16.   16.				
TO SERVICE THE PROPERTY OF THE				
THE STATE OF THE S				
THE STATE OF THE S				
STATE PLANT AND ADDRESS OF THE PLANT AND ADDRE				
INTEREST COMMON AND COMMON NAME   1884   SALESSAY OF STREET COMMON NAME   1884   SAL				
CLASS THE STATES.  CLASS THE STA				
10.4   10.5				
100   100				
100   100				
100   100				
10   10   10   10   10   10   10   10				
10.0 CHARMON   10.0				
TOR SALESSEE AND PROCESSEE AND				
100   100				
100   100				
CLAS   MESSAGE   CLASS   CLA				
10   10   10   10   10   10   10   10				
Transfer Concerns 1900   10   10   10   10   10   10   10				
100   CLAA TOE SCHEEK   PRIMARY				
DEST NEES   SECTION   PERSONNE   SECTION   SECTION				
BUTTOL COMPUTED RIPO   1001/1001/1001/1001/1001/1001/1001/100				
Section   Sect				
200   200				
LDA 44   00   CEREMENT FUE 251				
100				
DOS				
000   ORT CHARACTER FROM TECTFILE				
CONTRACTOR   CON				
10   ORT CHARACTER FROM TEXTFILE				
900 : LDY 90 TENTIFICATION FO SETIMAN EQU SPTUD 000 PRINTLOOP LDA (TEXTFILE), V DO OPEN EQU SPFUD				
DOD PRINTLOOP LOA (TEXTFILE), Y DO OFEN SQU SFFCO				
840 PRINTLOOP LOA (TEXTFILE), Y SO OPEN SQU SFFCO				



410 STA STERTS	TLE	750	FILEHAMS	BYT 6, TEXTE.
MAY I INTERRUPT (PART 2)	E0 415 323 1 54 0 110 0 123 1			1,47,40,100,20 101,101,101,00 4,000,000,0,4
PRODURE MAY I DETERMINE AND AD-	98 4420 0479 0 (4.0,65.85.		2-24-170	2.2,10.18.42.4 141.111 4 4540 5973 121.
18 APPR BATE 210 54 154 2 2 2 14 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	41 6430 CATS II		24.02.4	

| STATE | TOTAL | TOTA

08 4591 MAX. 05.106.179.179.179.100 179.179.200.41779.0.0.219 254.6.1392 184.01.189.04.179.0.0.18.5. 184.01.189.04.189.04.179.0.00.179.0.00 185.01.189.04.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.179.0.00 185.01.189.04.189.04.0.5.5 185.01.189.04.189.04.0.5.5 185.01.189.04.189.04.0.5.5 185.01.189.04.189.04.0.5.5 185.01.189.04.189.04.0.5.5 185.01.189.04.189.04.0.5.5 185.01.189.04.00 185.01.189.04.189.04.0.5.5 185.01.189.04.189.04.0.5 185.01.189.04.189.04.0.5 185.01.189.04.189.04.0.5 185.01.189.04.189.04.0.5 185.01.189.04.189.04.0.5 185.01.189.04.189.04.0.5 185.01.189.04.00 185.01

| BATA 160.168,160.54 | 2,10.10.42.42.168.1 | 1157 | BATA 160.160.168.14 | 21.21.0.80.67.85.87 | 23.1643

### LISTINGS

YOUR COMMODORE lane 2988

### ISTING

64 30.00 (ATR 5.00 (ATR 5.10 (ATR 5.

50 - 100 - 1

AN ANY MORE PROGRAMS

OF THE PROPERTY OF THE P

1 201 ----

38 17 00-30/48 TREMPFORT 0 00 - 1,550 10 - 10

65 - 100 - 1

#### LISTING



#### ISTING

| The column | The

The state of the s

30 ADD CONTROL OF A CONTROL OF

6. 3 Profession of the control of th

### LISTING

	110 OMTH 240,255,138,72,152, 70,185,53,32,212,255,72,172,	17	830 DATE 32,008,169,1,141,33 208,30,202,139,169,39,168,3	EA	273 SAGA 173,87,158,133,651, 173,00,150,133,868,260,1,133 ,176,189,7,8009
. :	30, 130, 090, 0351	ro	2,210,295,2199 700 DASH 136,200,297,29,182,	84.	180 DACA 133,177,830,176,84, 166,176,184,177,32,249,856,5
			1, 180, 7, 30, 000, 695, 160, 48, LB 0, 30, LEG, 5008 110 0sFe 30, FID, 695, 130, 50, 0		
	4.00 BACA 15% 108, 38, 158, 197, 109, 158, 15% 179,000,2%,30,5% 8,866,179,30,635%	EA	110 0474 30, FID, FSS. 139, 50.0 17, FSS. 230, 204, 58, FCS, FYS. 16 F. 60, 150, 30, 2508	18	200 DATE 191, 28 UNF, 185, 78, 3 5, 42, 127, 109, 166, 173, 89, 185, 200, 15, 169, 1809
12	990 DATE 100, PHO. 0.180, E9.70 200 200 32, 194, 109, 70, 27, 15	87	750 DATA ELO, 250, 108, 80, 878, 150, 1	71	000 DACA 18,30,019,095,38,39,30,000,000,140,30,010,000,000,000,000,000,000,000,000
	9,72,165,2081 950 DR19 207,286,252,109,32, 210,255,72,173,30,155,293,10	DR	1.39,176,180.0786 730 baha 6,139,177,189,17,13 3,178,39,161,177,236,176,189	'92	1919 DATA BOG, 179, 09, 780, 090 1 PAR PO. LES BOR, 2, 620, 62, 7
	104,79,30,0193	26	176,30,040,0007	60	No. 200, 182,2007 2002 EACH 16,000,003,168,002 ,00,100,10,170,0,130,051,76
	D, 850, 104, 30, 184, 166, 76, 87, 1 64, 160, 0, 1816	10	.021.50,000.5.168,65,139,178 .38,818,055,0518	w	210, 197 168,8000 1000 Date 0, 741,00,180,00,17 3,00,100,41,000,72,74,74,74
	970 Oate 180, 178, 50, 623,5,78 , 50, 133, 179, 177, 178, 153, 85, 1 93, 600, 130, 6173		762 DASA 163, 48, 32, 279, 255, 1 85, 170, 264, 70, 258, 2075, 173, 23 1182, 208, 3, 2351 783 DASA 32, 189, 169, 669, 6, 23	74	3, 22, 120, 41, 200, 72, 74, 74, 74, 74, 160, 1602 1500 5410 240, 24, 104, 240, 6.1
	"80 BASA 9,000,006,173,05,18 3,141,04,180,173,05,183,146, 26,180,30,1808	56			00, 0.130, 70, 50, 190, 79, 41, 640
	180 Secte 60,000,185,4,185,1,32,139,000,179,88,189,141,674	10	710 Call 0, 185.04, 187.30, 30, 510 _050,000,100,147,5000,048,64.	01	160 177 80 180 41.15 001.16, 160 177 80 180 41.15 001.16
	2 90 200 LEF 2 080 1 27 122	- 11	180 DATA 0.30, 040, 050, 50, 000	100	1000 OFFE 230 Jr. 187 Gr. 187 Y
	201, 30, 1639 %18 BASA 202, 195, 30, 109, 187, 30, 180, 107, 172, 30, 190, 690.6,	100	55,950,2912 FOS BASA 0,105,291,182,30,65 0,855,600,990,65,800,645,66	30	15 000 1800 1010 SANA LDB 00, 150 191 05 100 016 173 06 180 91 000
	206, 30,160,0008 800 0078 30,000,100,00,007,1 80,78,60,100,000,18,000,9,09	14	168,0,133,0200 000 0000 168,30,000,000,000,001 0,000,000,00,160,0,160,00	21	233, 40, 240, 2140 5080 8AAA 13, 230, 24, 182, 173 25, 192, 11, 83, 8, 40, 111, 25, 18
			810 DRIE 200, 250, 160, 151, 35,		
	\$30 0010 PGS, 180 180 30, 000 260 180 0 30 177 800 500 111 500 187 0 78 80 500	200	\$10 0414 000.050.169,150,30, \$10.0414 000.050.169,150,30, \$10.050,50,000,107,160,160,30, \$10.0615 1000,17,174,176,160,1 \$100.0415 1000,17,174,176,160,1	60	13, 510, 50, 516, 600, 160, 0, 160 14, 177, 011, 0001 1100 6416 140, 60, 100, 30, 808
	100,050,100,111,30,150,050,		130,177,04,30,040,058,160,0 133,168,5987 833,0866,30,70,107,177,08,10	11	150 St. 500 Std. 600, 150, 54, 6 0.16, 750, 51, 5157 1110 Sefe 1, 500,5,169,50,50
	831,76,69,125,50,800,805,601	53	P. 741.03, 780, 180, P. 134, 176, 1		
	566 5656 548, 35, 154, 500, 160.	Pi	3,188,30,79,397,173,00,180,1	12	1100 CMTR 29, LCD, 93, LCG, 991 133, 891, 194, 0, 230, 890, 180, 0 160, 39, 160, 8100
5	E74, 550, 180, 6532 570 SACA 5504, 508, 41, 158, 505,	- 03	BWG CHEM DG, TW, CHO, LEW, CH, 3, 188 30, TW, SF, 173, CC, 180, 1 10, 20, 160 2001 BWG BWG 173, C3, 180, TW, EF, 1 BWG 20, 77, 180, 173, FW, 180, 1VG, BW, 183, 173, 1931	1.0	1190 BACA DEL POS FLY 800.0 1.80 174 800 160 60 82 150 10 90 001 110 808 1192 DECA 18 0 60 837 180 0
	270 200 120 200 100 11 100 200 200 200 200	ΥE	DEL 183, 173, 1931 DEL 280, 180, 181, 181, 183, 183, 1 73, 180, 181, 181, 180, 180, 187, 1 DEL 180, 181, 181, 183, 183, 173, 1 DEL 180, 181, 181, 181, 183, 173, 1 DEL 180, 181, 183, 180, 184, 173, 1 DEL 180, 181, 183, 180, 184, 173, 1 DEL 180, 181, 183, 1	re	1,30 to 3,00,100,40,00,173,
	177, 243, 741,2365 500 8004 135, 7,174,134, 0,185 .000, 73, 189, 30, 09, 234, 355, 1,	23	870 CATE LOD, TWI, DW, TEX. 173.	10	1168 bats Pep. 8, 189.0, 191, 7
90	91,16,7536	79	800 BASS 31,15,305,095,195,2	95	39,891,179,6199 1160 BASA 88,180,139,858,18
	21.75,000,57,779,60,100,001,701,70,800,50,710,000,100,000,000,000,000,000,000,00	107	1(0) 8, 100, 88, 141, 69, 100, 797, 177, 177, 177, 177, 177, 177, 177	85	er, 139,003, 180, 4, 139,694,1 0.0,197,001,8388 1170 0818 091,63,98,7,803,1
	816 DATE LEG. C. 187, 187, 166, 1 9,30,000,0,166,187,850,0,16 5,1,3993		4, F, 100, N, 100, 50, 141, F4, 160, 06, 37, 1400 660 Certs POT, PRE, RCG, NR, VE, D	.,	00.3/00.023.09.191.00,180. 00.30,1933 1000 0318 100.053.030.033.1
E3	800 0916 41.91,133.1,30,136,0 034,166,159,040,03,099,110,0 166,4,1707		198,639,7,10,10,10,10,193,88	1	1300 0418 345,053,030,053,1 0.0.030,091,175,00,160,146 03,000,180,16,096 1180 0604 000,000,000,0,0
99	630 OACA PUT, 34, 180, 042, 11.1	78	8,3,50,233,7,41,15,13,62,158		69, 69, 100, 883, 133, 883, 193, 1
10	.78,178,199,0430 640 DATA 188,199,179,13,009, 109,168,509,170,104,69,78,00	100	989 BACA CC, 190, 39, 807, 899, 8	II	1800 DATA 185,051,105,05,1
91	6.052, 35, 160,0000 850 DASA 200, 30,03,001,30,48 ,031,30,500,00,05,953,30,	v	162,15,30,0088 330 EW3W 201,705,180,0,180,1 8,193,30,079,055,200,180,18	10	
,	NAME AND ADDRESS OF THE OWN PORT AND THE	93	910 000 301 001 000 170 07, 130.	68	70.13EF 1290 DRFA 18E,56,623,7,668, 84,800,98,90,688,821,71,29,6 .01.90,1763
re.	233,000,30,000,100,70,70,00 8,173,31,6331 870 DW19 130,030,18,173,173,8	n			201.65,1743 1830 5434 90.3,56,233,7,56, 33,46,76,296,51,1,606,86,26
	28, 40, 230, 741.17, 230, 230, 23, 340, 66, 173, 2180 see form 17, 208, 8,10, 141.17,	6		21	1994 page 10 10 10 10 30 30 30 30
27	800 0434 17,208,9,10,141,17, 820,626,31,150,86,160,44,165	10	.32,155,855,30,830,800,30,80		07,007,7400

# 

21	1850 Date 953,0,007,109,000,48 .007,153.0,007,50,138,000,48 .5,09,1500	65	1510 CHT. CTT. CTD1 1510 CHT 810, 183,00, 741,17, 133,185,14,35,301,858,160,0, 185,16,183,3001		T
93	LETO DATA 120, 16, 200, 298, 191	39			ACCOUNT ELK RELLON
18	09,29,102,1534 1200 0434 166,50,160,157,32, 020,259,100,63,36,632,658,36	es	15.000,040,38.004,856,369,6 38.186,856,8604 1566 5454 168,15,35,38,185,056, 38.281,050,66,175,00,185,056		DO BLATES LANGO SANDONO DO PERLACTOR. CHAO. PEREACTEL E. MERON. CHACKAN. PORTENALA LES
ΛE	8.197.30,810,0309 1930 Data 850,66,65,37,290.2 55,827.2,15.5,169,17,32,232, 255,36,1961	05	39,891,895.06,170,30,190,040 .0,800,30,6137 1570 DATA 100,30,001,008.06,00,30,003,003,003,703,801,003,003,003,003,003,003,003,003,003,0	45	0.4-POKESSHO, A-MEXTS 30 PEAG A-IF BINCK TREMPELAT TERROR IN LINE", LAHCETED -ST
12	1300 BACA SEY, LET. NO. B. 189, LY B. 30, FLD. 265, 76, 242, 150, 152, 7, 16 LD. 1850	46	1500 Dere do 100, 30,832,855, 50,180,10,160,4,84,30,840,05	FIG 87	12 PORTYS, 1 PORTYS, 8 PORTYS, 153 PORTYS, 17 SWAFTER EXITO
60	323 5454 150, 6,48,20,168,00 .20,810,000,174,30,168,049,3	OS	1680 Delw 185, 11, 123, 38, 810, 855, 300, 138, 82, 83, 838, 838, 838, 838, 838, 838	TI	F. CONTROL DENICE TO 1
45	1,000 Delle 255,06,180,39,48,1 3,050,157,30,250,499,174,30, 150,740,011,0213	86	1806 SA14 200 80 208 5 32 10	93	58 BASA 82.0.155,7,158,50,40
h	100, Pt0, Pt1, C2+2 1230 DAPA 3F, Pt0, SUS, LDS, 6, 2 8,7,160, 38,500, Pt, 3F, Pt0, Pt5 100, 72, LD37	EA	1810 DRIN 21.50, 180.074, 180. 39.04.30, 010.050, 180.00, 180.	100	00 Derre est est est est est e. 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.
1	1200 0070 130,00,033,0,170,1	U	29,30,223,000 1002 BADA 200,130,800,800,00 160,707,30,210,000,180,0,18 3,70,133,177,0000		9,11,1800
76	09,130,163,1809 1300 08F# 0.207,90,201,17,20 0.0,169,157,32,816,850,58,80	27	3,176,133,177,0040 1830 BASA 177,008,04,30,040 816,28,(60,007,166,13,88,818 205,88,(60,007,166,13,88,818		00 0418 8 107 0.0.030 004 00 1000,095 168,60,133,050,160,
13	1,145,000,0008 1800 DATA PHE,001,157,000,00 7,30,30,000,153,000,175,07	90	1090 ORCH 180, 178, 189, 177, 84	**	00 Dete #05, 170, 10, 0, 130, 000 129,11,0,130,001,173,10,0,1 37,000,1800
33	1900 133, 170, 0909 1870 1879 174, 08, 187, 000, 184 100, 100, 48, 141, 17, 100, 68, 16 0,0, 189, 807, 8150	e			000 0818 173, 13, 0, 133, 093, 16 5, 093, 56, 093, 053, 133, 094, 183 1743, 063, 063, 1836
61	1300 0414 133,050,185,048,8	na	10, 172, 1, 027, 141, 20, 230, 30, 100, 100, 100, 100, 100, 100, 10	O'	110 DETM 130,000,100,000,00 100,81,130,000,160,000,100,5 ,130,000,70,000
п	1500 500, 200, 2000 1500 5019 500, 200, 50, 170, 50, 150, 16, 10, 10, 16, 130, 507, 173, 10, 10, 10, 10, 10, 130, 507, 173,	02		CS	7,600,133,1,100,0,177,000,14
38	05,100,41,1780 1400 SADA 15,5,847,139,847,1 69,0,133,048,169,60,139,848, 690,30,70,2169,60,139,848,	Pi	100, 18,000, 2104 1880 5A5A 8,188,747,38,810,8 109,188,0,139,177,76,296,201, 30,000,000,0338	CE	130 0474 230,250,200,2,230,2 51,230,252,200,0,230,252,168 251,157,240,3008 192,5404 144,234,260,0,165,2
10	1118 5050 2000, 210, 021, 10, 48, 3.01, 100, 1, 200, 48, 242, 68, 108, 100, 200, 1704	10	300 0434 Pt0, C01, 30, E01, 230	73	50, 187, 218, 771, 220, 162, 9, 109
Ю	SW00 SACA 18,48, 141,04,180,06	20	1700 DACA 141, 33, 180, 30, 216, 800, 30, 103, 100, 30, 30, 216	73	100 8454 105, p.p. 133,000 108 11, p. 155, 2, p. 133, 851, 185,000 150, 1089
73	\$2,186,1750 7130 5454 055,100,1,180,18,1 80,180,30,180,000,30,180,000	05	779 860 10 000 1793 860 100 87 188 187 173 0 007 141 03 188 37 000 000	**	100 Seco 233,1,137,250,160,0 50,233,0,139,251,180,0,0,139 150 Seco 21,129,230,180,0,1
13	189,15,189,000v 1990 Defe 160,0,30,186,056,1 89,0,30,189,056,30,186,656,8	15	170.49,173.0111 1700.0010 1.007.111.00.180.3 0.015.000.30.301.000.180.30	79	77,854,740,050,160,854,66,83 3,1,130,8210 160 Bein 204,100,850,033.0.1
90	9,168,19,8099 1980 BACA 180,4,F4,30,F40,85 5,168,0,169,69,50,239,656,38	HE	3F, F10, FRE, F130 1730 ORTH F30, 39, 150, 173, 39, 150,001,15,16,19,168,0,741,3	78	23,055,165,050,58,033,1,133,
50	5,000,100,0000 1900 0010 30,010,000,000,100 ,000,100,00,000,000,100,30,1	29	3,150,160,3838 1748 8454 13,38,810,895,38,0 187,78,87,868,30,816,808,10	60	180 DASK #33, 0,133,061,165,8 62,60,733,1,133,065,165,653, 233,0,133,0933 680 DASK 653,5,696,600,600.1
63	94,179,160,0,0481 1470 DRTA 160,188,808,83,808 1808,040,180,178,508,045,189	22	8,13,30,1770 1700 DATE PIE,055,189.0.30,0 12,055,30,174.056,100,66,36	43	290 Sect. 253.5, esc. 250. 253.1 30.56, 235, 1, 170, 16, 180, 183, 1 15, 133, 1, 2528 222 Bron St., 183, 27, 141, 17, 80
21	30, No. 010, 016, 2780 1900 DATA 100, 230, 000, 7,800 180, 80, 800, 818, 840, 185, 169, 3	71	190,050,000,000 1780 DACA 18,180,76,85,183,1 73,63,180,191,80,180,30,93,1		0,78,0,64,80,9,153,17,0,64,1
	0.30,010,095,0991 1930 0474 172,115,0,001,137, 030,0,182,151,30,012,208,00	66	87,30,137,1749 1770 SAGA SEL,179,86,189,141	re	200 CMFA 8.0.0.180,0.180,180 .71.30,000,000,000,180,40,14 4.245.1802
12	188,181,30,011 2503 Beds 219,055,209,109,76 .85,150,30,150,000,100,73,30	tr	1700 5434 203 27,10,0,04,00,10,10,10,10,10,10		290 0424 32,200,255,201,30,8 09,249,30,50,67,169,690,141, 139,0,169,8070
90	1910 0434 0,100,0034	97	1750 Date 200, 169,0,32,189,2	70	PHD DATE 0,741,30,808,141,33 ,808,743,0,0,141,1,9,30,109, 84,1869
53	204,095,08,0948 1930 3666 30,196,090,160,5,3 2,091,095,173,071,180,137,093 1173,09,130,0008	60	200, 80, 200, 2130 1800 Sein 0.0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	CE	258 6458 168, 747, 20, 210, 230, 160, 4, 160, 0, 157, 0, 210, 117, 20 0, 218, 187, 2301
-	100000000000000000000000000000000000000	-			

#### LISTIN

	.232,260,251,32,130,70,32,71		,172,87,185,859,32,85,70,290 ,189,83,1768		104,73,188,86,173,138,66,800
100	.72,289.0.0298 872 DADA 141,137,68,140,130, 60,141,180,68,168,3,742,188, 90,00,174,1836	85	550 DETE 195, 254, LEG, EUR, E4, 109, 36, 133, 252, 194, 2, 236, 253	12	830 BASA 173,139,66,32,46,66 ,174,139,68,636,636,138,89,6
30	800 DATE SS. 30, 223.66, 32, 200 .68, 76, 81, 54, 86, 188, 2, 133, 89 0. 168, 1738	16	,168,850,89,8939 660 6418 105,92,133,850,194, c.230,251,165,859,89,305,90, 133,839,199,2079	17	090 Onto 0,177,258,745,258,1
36	200 Sada 16, 133,251,162,18,1	30	E. COR. 120.40, 173, 129, 40, 409,	15	,833,38,133,8508 863 2654 863,178,8,188,851,1 66,852,66,833,38,133,868,176
ra	239,6%,1570 300 DWT# 173,0,0,141,47,69,1 73,1,8,141,43,68,38,180,69,3	34	190.68, 176, 2027 500 GWTW 7, 175, 135,66, 201, 20 .179, 171, 180, 1.168, 83, 145, 25	62	.c.180.053,8609 680 Dece 000.008,215,236,136 .88.186,38,168,108,175,259,1
*	2,1109 310 DADA 239, EV. 162, E. 150, O. 2VE, 113, ES., 100, E. R. 153, ESE, E	Eil	4,000,189,0070 880 DRIA 36,35,175,87,145.05 4,800,185,00,144,594,168,83,	68	879 BADA 880,800,180.0.195.6 68,669,36,568,0,800,198,800, 630,609,17,8995
ю	00,262,1843 300 DATE 208,247,173,9,8,240 .16,630,651,185,654,200,36,1	AZ.	800 DATH 854, 84, 109, 92, 132, 8 84, 194, 8, 830, 889, 188, 1, 280, 7	ET.	680 ORTA 194,048,168,0,745.0
NC.	VV. 000 . 030 , 0000	00	1, 195, 501, 5014 610 ORTH 200, 169,51, 145, 251, 190, 19,111, 017, 000, 169,75, 14	63	690 BADA 67,133,050,168,6,6,
12	160,1,160,41,160,65,30,180, 105,160,1661 Fig. DW18 5,167,0,180,5,30,18 0,050,30,150,050,150,15,160,	16	0.05%,189,30,0970 BED DATE 100,%1,1%5,69%,600, 180,60,79%,898,88,0,0,0,0,3,17 160,1700	37	000 (MFE TF, 6, PEC, TF, Pt, LOS, 16, 133, CS1, 165, P65, P7, LOS, 36
10	Pt. 180, 1807 200 DATA 65, 3F, 169, FSS, 183, 1 3, 168, 167, 6, 3F, 180, 253, 76, 18	10	168,1700 630 0878 6,133,080,168,16,13 3,081,169,0,701,130,68,160,0 116,17,1700	EF	139,650,1830 550 BACA 189,650,705,0.133,6 53 86,173 L69,850,950,850,173 136,66,805,7468
(A	2.055,162,2021 265 DASA LS. 30,021,055,180,0 100,04,05,30,010,000,000,00	10	END DATA UND UND LINE, DE LANS	33	120, 00, 007 A 120, 06, 0'90, 0'92, 173, 128, 60, 30, 173, 163, 89, 6
102	2,15,191,1085 270 DATA CYS. 95, 180,40, 191, 2 3,60,30,61,61,30,170,61,180	**	185,050,04,0407 850 0878-100,08,122,050,144, 250,030,850,76,150,86,96,2,1	19	030 BACK 0,177,800,801,188,4
,	5.30, 1745 360 Sector 188, 255, 160, 0, 32, 20 7, 250, 752, 0, 0, 200, 200, 217, 32	10	1, 140, 140, 2070 880 0454 00, 32, 13, 133, 136, 42 70, 83, 830, 830, 15, 87, 43, 87, 6	70	\$40,694,0900 PUD-0818 130,555,PUD-28,100,TUT-08,100,TUT
rı	2074 2000 2011 200 2010 100 100 20 100 200 1	tr	570 DETR. 180, 67, 84, 60, 510, 60 , 77, 70, 185, 68, 183, 70, 183, 68	20	800 DETA 200, 24, 100, 36, 130, 5 80, 180, 201, 144, 0, 280, 201, 168
10	30, 48, 1600 100 Saria 53, 30, 40, 48, 30, 45, 4 8, 30, 48, 42, 13, 0, 20, 0, 0, 40, 63	24,	110,71,1778 880 0474 151,71,30,200,055.1 11,108,80,107,747,183,60,1 88,100,80,1170	es	500 (F1.100, 500) 500 (ANA 32.132, 507, 741, 0.07 1.653, 527, 500, 511, 600, 123, 60 173, 180, 60, 5480
н	1,40,00,48,50,48,50,48,50,48,5	10	800 (w) # 200, 180,05,240,8,20 1,200,240,3,230,200,01,96,1	62	\$70 DATE SG. 233, 1, 205, 139,00
10	\$1, 40,000, 48,41,40,48,40,40,40	, RC	780 0824 188, 188,88,141,10.6 7,180,000,66,141,11,67,76,88 5,000,169,7181	11	137,40,1591 080 0844 08,5,0,08,177,72,61 1831,639,742,748,173,73,40,
16	71.500,00.10.10.00.00.00.0	22	,90,173,139,60,692,63,56,633	78	980 BADA SUB, FUI, 78, 30, 68, 11 3.18*.60, 500, 532, 172, 181, 68, 500, 80, 173, 5380
	742 3000 34,68,108,48,68,141 38,68,172,43,48,18,370,388, 74,68,1388	35	8,66,90,173,137,60,099,6,000	R3	1800 5918 (30,66,705,130,68,093,130,68,093,603,603,603,603,603)
15	950 EMIN 193, 27, 85, 189, 95, 65 , 741, 29, 89, 90, 0, 180, 0, 180, 74 , 69, 5309	#1	730 0816 808,138,68,58,179,138,88,809,139,68,809,139,68,840,847,84	29	
15	900 BACA SP. PLO. PRS. POB. 1987. 8,1771. PWS. 98, 260, 0, 139. PSP. 1 89, 18, 139, 8594	E4	*W7 DREA 130,60,170,4,238,13 8,68,80,238,138,60,179,139,6	80	30, 170,67, 193,58, 4,690,180,5
10	180,1,189,84,189,0,4,000,188	30	27,66,171,216,290,235,236,13	0/2	1000 ONTH PHD, 173, 100, 60, 700 ,5, 709, 79, 791, 78, 5, 230, 181, 6
1.0	180 Seco 141,518,555,73,513,	11	780 DACA 0.133,650,760,18,13 3,681,189,0,186,63,180,0,740	65	30, 68, 37, 40, 68, 360, 0, 189, 73,
31	50, 64,109,7875 950 DASA 30,133,850,744,8,03 0,053,000,000,040,160,30,133 (59,160,7,700)	12	700 OWT# 200, 051, 830, 851, 802	26	1090 0474 PSO, 200, 108, 38, 141 , 818, 58, 32, 30, 69, 950, 1, 180, 3
rc	102 BACA 123,850,169,29,133, 850,169,850,133,850,169,0,14	55	3,190,08,208,2705 787 DATA 6,189,71,230,190,60 .30,189,30,50,160,64,50,201, 61,174,2838	93	1968 5418 4,800,187,00,741,6 18,199,0,111,190,68,95,831,8
20	518 DASA 137,66,131,136,66,1 60,1,189,93,749,699,609,169,	10	750 DATE 6, 201, 06, 240, 245, 17 6,11,11,63,56,201,32,175,1.0		
100	500 Sich 67, 146, 254, 35, 66, 70 189, 0, 141, 190, 68, 200, 177, 25	n	3,40,387,08,80,633,84,08,36,	93	v.en.en.en.en.en.en.en.e
500	530 BASA 67, 195,259,32,05,79 ,000,186,18,799,091,173,190,	80	86,00,000,000,000,000,000,1 36,66,000,0,104,86,173,184,6	87	1000 DWT# 100,00,30F,0,395,1 39,71,107,100,00,03F,000,076
26	590 BACA 188,37,99,009,39,30	13	870 DATE 804, 189,68,800,894.	80	1100 DATA 100.0, 190.0, 185, 15



**	7,95,13,13,32,50,65,85,89,78		2,03,79,62,32,77,79,66,69,63		
	193 Dele 62,63,84,65,67,84,1 1,83,84,62,63,13,13,32,32,32	35	100 0000 95,32,00.00,02,91,7 2,97,65,76,90,13,13,32,00,75	80	
92	56 0434 30,72,73,86,69,63,3 0,65,85,04,79,77,65,64,73,67	Dis	130 DACH 60.09,70.67,13,13,2 2,32,32,32,70,70,03,01,32,68	79	
Pi	1129 200 DATE 32,76,73,78,69,30,7 0.00,77,00.00,02,03,48,13,13	20	993 BASA 60, 72, 73, 70, 65, 66, 7 6, 69, 30, 72, 93, 70, 69, 83, 93	80	
11	170 DATE 33,50,58,63,76,62,7 0,72,78,60,40,94,70,73,78,60	п	1861 VSS DATA ST. 79, 78,89,60,78,8 1,63,46,13,13,36,60,75,63,60	FE	
	180 GMTM 50,13,13,52,32,32,32 2,60,68,78,40,84,83,83,52,30	19	100 Date 20,00,78,70,70,30,00 3,00,00,73,70,71,15,15,30,30	66	
66	180 DRIN 00,79,77,38,78,73,7 8,60,46,36,84,76,36,76,76,78	12	470 Outs 38, 38,08,68,70,73,7 8,69,58,70,75,74,68,68,58,78	142	
111	200 Beco 60, 62, 45, 17, 17, 30, 6 2, 70, 76, 68, 67, 30, 30, 13, 13, 38	84	180 OHEN TE. 20, 87, 73, 81, 75, 3 2,83,01,80,72,78,71,10,13,13	FE	

#### ISTIN

					1510 Dale 165, 253, 200 2, 150
113	7 BBG DASA 60,68,75,79,65,68,6 7,13,13,30,30,30,30,70,79,70,69	26	1,080 BACA O,188,39,133,85),1	10	
			88,170,133,250,160,0,100,0,1	100	139, 93,189, PHP1 1890 DACA 100,139, 95,165,101
	3 990 0000 68,38,65,38,66,76,7				
	8,47,76,38,76,50,52,77,60,77		.00, 11,005,107,007,000,10,00		3,855,711,1775 1560 BADA GWI,179,189,0,141,
			200, 200, 230, 2049 1280 0070 251, 200, 243, 237, 23		1580 BASA SV4,179,189,0,141, 89,8,180,0,189,801,179,183,1
	0.1001 1 1010 DATA 34,70,73,75,69,78,	50			
	65,77,69,13,13,30,30,30,30,6		1290 DRTA 177,281,249,25,162 .0,180,194,177,249,6,32,239,		3,851,169,8189
П×	9 1000 DWT# 88,86,69,32,80,02.	86			
	70,09,68,67,09,69,60,30,60,6		.051,021.3.093,3,76,183,177, 59,3,31.0000	100	1998, 261, 165, 2565 1998 6434 109, 636, 6, 198, 119.
	79,71,88,65,77,45,13,13,32,6 0.000				
	1 2010 Book 73,70,70,70,70,00,12.		1302 BACA TO, 85, F, 85, N, 95, O.		1600 Date 251, 230, 251, 208, 8,
			89,0,81,0,31,v,65,89,111,808		#30, #50, 76, 150, 173, 168, 5, 533 -93, 189, 109, Pull3
l,	6,600				
	83,73,67,38,77,60,77,79,60,0	AG	1300 Dece 32, 32, 32, 32, 32, 32, 32, 32, 32, 32,		
					0.18,1713 1902 2015 50.18,58.80.20.20.20
	0 (060 DETM 30,73,70,70,75,80.	18			
	27,45,69,73,70,76,46,13,13,3		70,00,00,00,00,00,00,00,00,0		F,660 1630 SANA 66,65,83,73,67,6,0
					0.169,691,111,40,3,189,60,1
	13, 13, 50, 50, 50, 50, 60, 60, 73, 60, 6				
	1000 Date 78,85,00,63,32,01	00	30, 30, 1070 1300 0078 81,00,00,00,70,00		1890 Dece 13, 150, 0, 168, 6, 73,
			60, 60, 67, 72, 60, 50, 60, 60, 70, 74, 6		255, 195, 19, 189, 65, 111, 6, 3, 18 9, 9, 1992
	1000 DATE BD.00, DF.80, US.71, 00, 03, W. 15, 13, 15, 15, 16, 40, 68, 88, 7	10	1972 8000 37, 17, 37, 78, 79, 77, 19.		70, 174, 187, 100, 0, 183, 0, 170, 1
			63, 84, 36, 36, 36, 36, 36, 36, 36, 36, 3	100	1880 DRIM 205.239,161,250.23
M	1100 5454 80,58,55,74,63,64,	A6	1000 DATA 123, 30, 95, 9, 81, 9, 8		
	5,1118 2,1118		7,0,00,0,07,00,00,0,00,11,117,0		
			1380 OFFE 51,16,91,0,95,4,58		187 0034 107, 48, 5, 60, 162, 6, 183, 30, 181, 040, 6, 30, 210, 650,
	1100 Dece 79,60,60,00,72,70	17			
			0.81.7.01.01.91.0.07.98.798		189,48,139,850,160,050,160,
l.		46			
	0, 30, 60, 68, 60, 77, 60, 78, 60, 19, 10,		7,694,83,110,100,854,177,126		
			189,038,33,1893 1989 Beck 184,185,894,383,31		\$4,92,030,0019 1700 8818 818,000,177,861.00
100	17:00 OWTH 03.90.00.00.00.00.30.				
		17	9,878,381,110,40,8808 1970 DWIN LIFE, 37,950,63,126	79	8,181,185,851,8548 1710 Seco 184,852,32,827,807
	1150 DATE 32, 32, 32, 68,89, 77, 80,03, 32, 77, 68,77, 70,00,88,9				,169,055,000,174,41,187,30,6
	00,03,32,77,68,77,70,02,88,3				
		15	19'00 DRYA 300, 181, 173, 180, PS 9, 181, EP4, 23, 1P4, 27, 160, 165,	TT	1782 BASA 30,000,005,30,18,1 81,189,39,30,710,650,160,0,1
	8,667 1179 BASA 13,13,38,60,78,69,	78		92.	
			79,52,90,53,78,81,79,85,79,1		133,74,800,177,851,133,35,1 60,0,177,34,8883
		10		100	
	1180 Dere 13,32,32,32,32,32,47. 23,70,00,02,02,01,03,32,72,6		,70,23,91,23,71,63,71,23,78, 69,1007		
		20		E8	
	List Care es es es es es er er				1700 DATE 176, 151, 40, 127, 30, 223, 255, 200, 177, 251, 200, 127,
	77,66,78,38,76,66,77,66,66,8 8,1137		8,741,1408 1400 DA38 X3,508,162,0,169,5	12.	170,18,30,210,2304 1760 Date 830,30,38,181,188
		- 0		100	
	69,67,62,44,78,65,77,66,69,8 0.931	95			
100		25	9,133, PSP, P4,165, 45,133, 86	50	1773 Bain '11,187,30,810,899, 189,37,30,810,899,30,10,181,
		BC		81	
	1000 OFFR 79,80,77,60,76,30, 80,00,67,73,77,60,76,30,70,8		,185,56,133,56,133,166,165,0 ,133,704,133,1894		251,133,99,30,091,007,188,1 7,30,610,690,6901
		24		-	
	1830 Date 77,66,69,62,95.13.				
	0.0,30,60,60,35,65,78,69,30,	10	1583 0676 193 153 930 558 83	ca	2,230,262,8290 1000 BACA 180,50,36,179,638.
210	1P40 DATA 75,69,09,30,07,79.	-	0.110,180,0,177,88,195,253,185,127,208,6,8293	100	139,000,000,00,30,000,000,000,1
	79,69,73,79,69,69,63,48,60,6	40	66, 127, 208, 4, 8293		
	20,1114	-	1530 0414 198, 198, 189, 189, 108, EV	80	1810 Date 13,800,30,800,10.3

#### LISTING

	2,200,205,240,255,201,3,508,		0.0.0.0.0.0.0.0.0 PIGO Series 0.0.0.0.0.0.0.0.0.0		.0.176,0.30,63,105,38,101,0 249,098,1830
	1,95,58,2035	1.0	2180 0604 0,0,0,0,0,0,0,0,0		
1.0			#100 DACA NE.58,95.0.9,9,9,0		
	-ML.133.F.ELEE				
				2.0	2940 DASA 150, 255, 59, 24, LG
			5,79,68,95,0,0,0,0,2398		
	0.60.1179 3892 Dece 50.32.86.65,62.73.		2139 Bein 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,		
2.3	65 40 7E 65 30 06 69 77 90 0				
					9,808,8,169,6339
				79	2950 Date \$50,133,99,133,99 90,11,38,167,189,187,00,09
		100	0.0.0,0,0,0,0,0,0 ctop pain 0.0,0,0,0,0,04,70,00		22,30,167,1798
100	175, 651, 1705 1800 DW34 100, 234, 177, 106, 33				
					6, 68, 106, 30, 107, 105, 30, 241
					69, P40, P55, 8599 2900 (A19 32, 60, 185, F30, F5
			\$100 DATA \$,0,0,0,07,78,80,0	22	38, 121, 185, 230, 45, 208, 2, 83
	842,6,38,18,285,602,808,850,	05	8,85,0,0,0,0,0,0,0,131 2000 0018 0.0,0,0,0,0,0,0,0,0		
100	160 0 6 8000 1600 0476 PHD NR PEL TH PHD				
	7,030,001,87,008,010,010,30				187,185,165,45,608,6,790,%
					180,45,06,2015
					2500 0414 37.50, 185,185,0, 27, 17, 130,001, 86,185,185,189,13
	,160,0,160,94,133,653,056,29	03	0,0,0,0,0,0,0,0 coco care 0,0,00,00,00,70,40,40		
45	1990 OFFE 177,263,145,853,85				
	0.150.30.090.4,106,7,000.093		2830 DRIE D. D. D. D. D. D. P. P. P.		
					00, 177, 71, 1516 carp park 101, 051, 200, 145,
				30	,30,146,185,000,1,50,030,3
	,051,169,160,130,050,160,0,1		100, 691, 177, 167, 179, 160, 18, 1		
0	33, 653, 160, 0, 85%5 1800 Dere 180, 00, 180, 890, 4, 3	60	2000 Occo 133, 253, 569, 0, 133.		
					177,30,184,651,195,36,30,1
					185,008,1,009, 2000 DRIM DB, DD, DB, POW, F, 8,37,108,30,70,131,180,160 9,101,36,1600
			RESO DEFA 123,180,165,253,13		
	30,000,015,030,174,0,169,30,		3, 183, 183,0,133,106,160,56,1		
	NY, 010,099,0199 1990 SMCA 180,0,177,051,090,	111			
			200, 0078 245, 180, 180, 20, 180 205, 100, 180, 30, 160, 268, 164, 144, 208, 77, 160, 2001		7,90,180,0,000,100,000,0,0
					PROD DECK 180, WO. O. 137, 138
	1990 ONTH 210,285,468,0,177,		2000 EATS \$,130,051,30,185.0 55,186,050,130,050,189,191.0		
	#93, #90, 0, 30, 210, 293, 200, 200 .090, 188, 71, 0933				
50	1903 5654 37, FLO. PRS. LEW. 13.		200 ONER 130,000,038,159,05		
					77,861,801,1,840,6,36,180,
			55, 37, 155, 655, 657	100	7,19,197,0000 pigo mono 189,177,053,195
54	1933 3400 16,185,185,5,70,18		2300 ONTH 160, 1V4, 200, V3, 173 , 293, 4, 32, 233, 258, 76, 13, 184,		
	9,181,189,129,109,090,031,30				
	1800 5838 208,215,21,165,251				
					795,051,160,0,100,0,0,021,
			200, 0, 30, F180 F303 Seco PDS, PSS, PVP, ES1, CO		8800 BASA 838, 808, 890, 838,
	1990 Ends 90, 189, 70, 187, 133, 251, 189, 70, 187, 133, 257, 150, 0		1, 2, 242, 4, 160, 4, 200, 181, 70.0		
	251,189,70,182,133,858,350,0				
					2810 DATE 237, 189,0,8,800,
					30,178,1768
			7,039,30,167,0030 EFNS 6838 109,30,167,185,008		
EX	8212 BASA 119,0,030,190,008.				0500 0010 207,150,00,30,30 00,78,50,166,000,17,160,0,
	208,188,847,83,119,818,82,89		31,35,530,164,35,167,165,35 967,185,208,8530		
	140,180,180,F407 2020 000A 183,163,107,183,18				2630 0474 189,60,149,651,4 165,61,150,631,00,600,0,6
					19,803,68,2188
			99,149,107,1909 #360 DRFA 30,013,191,040,028		
A1	2030 OREN 65,78,67,01,73,70,78,37,75,78,37,78,37,78,88,49,37,7				
					2090 DACK 33, 183, 292, 9, 30,
					9,855,830,000,049,00,189,1
111	2050 DACA 75,69,69,02,78,79, 84,30,68,69,70,73,78,69,68,9		79,185,240,5,268,808,PHB,EYD		
	8080 SACH 0.30, 79, 93,58, 6, 30				

#### LISTIN

	8, 2, 290, 90, 92, 160, 187, 76, 188 ,189, 168, 29, 6371		81,73,79,79,62,32,32,32,32,32,3		30,30,30,77,60,77,30,65,83
Ľ	2732 BASA 30,000,866,130,851	10	25.75 36.00 37.73,76.79,66,62,	ED	
20		76		28	2,901 3780 DACA 32,35,46,65,63,7 87,37,68,88,64,68,83,32,10
<b>a</b> 1	2730 DADA 187, 168, 32, 32, 230, 250	76		ca	3750 Date 68,59,56,13,43,3
12	. 30, 210, 250, 2021 2710 DRIN 150, 20, 177, 251, 178 200, 177, 250, 160, 30, 180, 187	10	3000 Date 80.85.65.85.85.85.35		2,571
4	188.19,30,010,0916 8750 DeTe 255,165,053,040,18 .058.17,048.9,36,160,187,76	Cre	60, 60, 60, 60, 13, 13, 0, 30, 30, 30, 30, 30, 30, 30, 30, 30	00	20, 30, 30, 30, 30, 30, 30, 30, 50, 50 0, 500 2312 Sele Sc. 30, 50, 50, 10, 13, 1
80	\$790 \$000 \$ 107.05.000 0 173			30	32,672
200	250, 191, 200, 3, 70, 63, 180, 180 15, 123, 1800 2772 Data #, 160, 0, 123, 253, 76		1016 5434 32.32.32.32.60.60. 12.62.73.01.72.70.78.60.30.3 2.043		86,65,63,73,67,32,77,69,77
	200, 145, 201, 0, 139, 254, 240, 5, 250, 145, 201, 6		2,000, 80,70,711 82,60,171 52,18 2,000, 80,70,711 82,60,171 52,16	12	2330 OPCA OF, 69, 37, 67, 67, 68, 68, 68, 30, 13, 13, 13, 0, 76, 76, 16, 15, 76,
	89,838,000,890,15,38,818,856		2000 DRDA 65,77,69,68,13,30, 20,30,50,60,40,01,63,30,30,3	95	32m0 DRTM 77, 69, 0, 0, 0, 0, 0, 0, 0 0, 0, 0, 0, 0, 0, 70, 79, 203 3200 DRTM 99, 60, 60, 64, 60, 0
*	2790 0000 188 0,100,0,180,04 0.4,80,000,000,000,000,000,0	ce	30/0 Dere 30, 30, 30, 30, 30, 50, 50, 50, 50, 50, 50, 50, 50, 50, 5	11	.0.0.0.0.0.0.0.0.0.0.01
0)	2800 0418 240,0,000,88,243,2 7,800,78,848,38,381,385,855,2 46,176,230,2523	08	2000 DRTH 32, 32, 36, 36, 36, 36, 36, 36, 37, 2	45	0.0.0.0.0.0.0.1 3319 pasa 0.2.0.0.0.0.1.0.0 0.0.0.0.0.0.0.0.0
04	SECO DAIN 259, LEG. 259, 831, 83	ns	0.000 5000 DATE 30,13,0.195.30,30, 30,30,30,30,50,50,50,50,50,50,5	71	\$380 SACA 0.0,0,0,0,0,0,0,3,0 0,0,0,1,0,0,0,0 3390 SACA 0.0,0,0,0,0,0,0
	0.130 804, Pub, 2631 PRFS SATA 108, 150.0.168, 1 Tu 9.751, 160, 17, 160, 0, 149, FB1.8 06, 700, 721, 7237	97	2.070 2.00 Date 37, 18, 37, 68, 68, 76, 69, 64, 63, 58, 68, 47, 78, 38, 146	-	Print Out 1 0 0 1 1 1 1 0 0 0 0 0
00	06,000,191,0007 0800 DATE 100,004,000,148,13 .1,80,000,833,190,17,000,133	ra	17 000 11 18 0000 0 10 78 78 78 78 78 7 2 78 68 83 10 78 78 78 78 78	DA	
17	180, 180, 180, PLEO		1700 2000 00 00 00 00 00 00	75	7.0,0,0,1,0,4 7.0,0,0,1,0,4 7430 (etc. 0,0,0,0,0,0,0,0,0
	70,110,180,00,180,003,100,0 6,182,001,180,8300 8900 been est,100,0,183,052,	-	19,0,13,43,66,66,60,79,85,69 11007 3130 DACA 72,78,60,00,70,70,70,	11	
14	80, 160,0, 100,000,100,000,0,0 9,210,000,0016 0000 0018 030,000,000,00,100		8,1169	10	7900 Ents 5,0,0,0,0,3,5,5,5
	, F. 180, LY, 3F, P40, 295, L62, F, S,		2190 DECK 33,13,0,32,32,32,32,3 2,60,40,71,32,70,70,30,68,68	53	
(4)	00.00 007A 090.0, 30,000,005.0 07,000,090,09,160,3,166,17,3	-	3150 Dere es 73.67 30.60.60, 71,50,13,30,30,50,50,50,60,70,6	30	0,0,0,9,0,0,1
Į.Ą	#800 DATE 100 0, 189 158 100 092 4 32 233 205 020 020 020 020	53	2150 DRIE 32,70,70,32,55,65,	34	
15	2830 DATE \$10, 000, 00, 010, 005	110	2,939 3170 DRIN 32,37,32,65,69,71, 32,79,70,32,66,69,62,73,69,9	10	
13	89,30,010,0000 8900 SACA 050,838,859,859,800,808 ,018,90,189,178,333,981,168	64	0.70d 2000 DNTS 70.00,03,08.13,30, 30,30,30,00,78,00,30,78,00,3	10	5,0,0,0,0,0,0,1 2000 Secto 0.2,0,3,0,0,0,0,1
	270, 133, 250, 50, 5058		2,995	Oil	8,0,0,0,0,0,0,0 2030 Seco 0,0,0,0,0,0,0,0 2,0,0,0,0,1,0,0
	2, 30, 1150 2, 30, 1150		79,69,63,58,13,38,39,38,38,6 0.030 3800 5634 69,71,38,76,76,38,	72	
	89,09,73,67,30,68,48,46,49,9 0,900 0830 DRIW 30,60,60,60,60,60		05,62,62,65,69,83,58,13,30,3 0,551 3012 BADA 3F,3F,88,78,68,3F	CE.	3500 Dere 0,0,0,0,5,1,0,0,0 3,0,0,0,0,0,5,1 3500 Dere 0,0,0,3,0,3,0,0,0 0,0,301,74,37,60,39,50,600
	13, 13, 32, 32, 32, 32, 32, 32, 32, 32, 3		79,70,30,65,85,80,65,65,89,69,6	31	168 1 168 190 190 198 141 0 160
	0390 5454 30,30,40,67,40,50, 78,40,70,73,71,71,73,78,83,3	50	3000 BACA 13,30,30,30,30,30,60, 69,71,30,79,70,30,83,84,60,7		88, 24, 106, 1686 3580 OFFE P. 133, 45, 165, 35, 1
	2953 BASA 10,57,56,56,13,13, 0,36,36,36,62,67,65,69,69,79	20'	3730 DACA TB,71,83,68,13,30, 30,30,30,69,70,68,30,70,72,3		5, 0, 139, 46, 76, 96, 166, 38, 116 0, 36, 1160 3500 Bein 37, 162, 76, 174, 162
E	2000 DATA 62,62,32,32,32,32,32,32,32,32,32,32,32,32,32	èx.	30'00 DRIA 83,84,82,73,78,71, 83,58,13,13,30,30,30,30,77,6	65	201,204,044,4,201,236,144,6 32,161,6,1939
rı	2300 Date 48, 39, 39, 39, 39, 39,	50	9,812 3750 DWTH 77,32,05,63,69,68, 30,56,69,30,00,69,60,72,69,6		809, 15, 170, 183,00, 180, 75, 160 ,87, 150, 70, 5239
c	2,526 2550 DWT# 32,60,60,73,83,73,	44	0,1070 3000 DRIM 70,00,03,68,13,39,		207,139,105,190,027,39,190,1 9,397,699,6271

#### LISTINGS

	3000 Deth 191.09, 199, 109, 000	1 00	3900 ONTH 183,133,250,169,18	70	1180 DADA 139,50,162,191,55
	,85,806,189,801,815,806,187, 808,87,189,47,8970		0,139,696,36,100,139,36,134, 187,168,83,133,8988		30,73,160,30,003,169,30,139
					1100 SAGA LES, LES, O. 189.O. L 157. S. C. 290. 3.232.208, 295.5
	39, 630, 130, 69, 6538	05		-	, and then
	2040 DETE 200, 200, 200, 217, 20 7,127,200,130,200,50,602,155		3820 Dala 101, 191, 165, 13, 165 ,11, 32, 205, 109, 32, 100, 131, 18		33.50.180.0.132.5v.133.50.7
×		59		EE	133,53,166,21,124,55,36,85
	, 260, 4, 130, 15, 180, 0, 0, 16, 7, 0 00, 200, 1768		184,186,45,165,46,30,006,189		174,30,100,01,134,54,30,003
			05,169,30,161,109,166,97,165		133,49,134,50,30,140,165,30
	292,95,36,6251			63	
	3670 DADA 18, 110, 46, 801, 63, 8 08, 1, 169, 153, 208, \$7,201, 40, 1	E3	2000 BASA 189, 37, 185, 194, 185 ,50, 168, 48, 37, 205, 168, 37, 160		38,61,166,165,34,164,35,84, 05,0,133,1600
00	2600 DATA SO. 194,69, 132,113,			66	1210 0414 15.111.1.200,132.1
	560, 0, 13F, 11, 136, 124, 12F, 80F, 80F, 80F, 20G, 20F, 186, 1866.		20 (81 109 180 10 10 180 18 20 206 180 32 1803 2013 Ballo 88 109 55 165 17 202 95 178 165 18 205 16 87 205 180 20 2033		0,30,69,160,79,110,184,30,0 0,204,30,1698
	\$690 0eFA 0.2.56,093,158,160 .090.055,001.100.000,97.5.11				
					,30,000,001,160,191,56,58,7 ,180,30,603,6167
×		62	205,189,32,2930 2080 ORFR 181,191,56,165,793	10	1000 DATE 100, 79, 813, 879, 180
	800, 0, 840, 68, 68, 833, 68,840, 4 ,604, 73,8230				
×	3710 OHTM 200.2, 133, 75,56, 23 3,69,200, 250, 133,9,169,9,9,6	FC		EA	30,000,004,180,30,187,180, 0,013,004,005,0483 10710 DRTH 14,015,3,78,8,176 160,0,134,0,030,030,134,053
			2000 ORFR 181 (104.50.105.40.405. 200 400.305.50.505.50.205.40.305. 200 400.305.205.505.505.405.405. 200 400.305.205.505.505.505.405. 200 40.105.005.505.505.505.305.		
			000, 180, 00, 0048 0000 (0070, 181, 100, 70, 110, 104 .000, 7, 100, 7, 100, 100, 104, 133 .017, 160, 010, 0108		4500 DASA F. F40, 75,800,71,57
	153,851,1,830,808,818,166,18 8,830,11,800,8878				6, 236, 200, 49, 144, 232, 200, 2, 30, 2, 232, 2243
		co	9000 Beck 159,100,211,78,000		
					1000 DATA DOD, 030, 034, 8,144
	100,0,0,00,0100 3703 3656 180,103,003,1180 103,100,000,183,107,80,160,0 180,130,103,000	307	\$,0000 wideo carre 17,100.00,000,000.000	80	294,169,50,2944 1300 Bele 160,107,32,30,171
			Pr. Ct. Pt. Pt. Ct. Ct. 20. 0. 0. 0. 0.		
ж			0030 CMTH 78.8.179.179.181.1 89.179.83.179.100.100.179.00	81	
	9,0,00,019,130,133,013,013,015,0		30, 194,81, 174, 100, 100, 174,00 ,30,10,160,1794		
		60			1907 0 190 0 10 10 10 10 10 10 10 10 10 10 10 10
	18F, 890, 11, 800, 189, 138, 193, 16, 890, 189, 8077				
٧		15	. DE . DE . LES . DE . TEN . CON . LES . DE .	53	30, 30, 173, 180, 283, 188, 0,0,0 01.65, 174, 1870 1330 3656 2,232, 0,233, 17, 32 168, 168, 186, 284, 242, 12, 168, 1
	0,100,70,15,30,70,40,11,001, 005,740,7,6048				
į.					
	3780 Osfo 081,004,178,00,70, 08,187,78,750,78,80,138,007, 174,5,579,1808	-80		79	1212 3404 30, 15, 100, 230, 253
					.03, 30, 139, 1778 70, 184, 139, 180, 0,004,4,008, 1,30,58,1003
	2750 0476 224,78,118,204,104 ,180,104,70,243,188,40,233,8 03,170,136,73,208	73			
					4390 0424 171,189,49,30,010 699,76,643,169,30,001,169,1
					3,100,130,183,0360 4360 DRTH 30,30,171,30,136, 30,843,386,30,847,183,169,
	200,185,139,123,16,250,48,24 9,600,186,139,2805		3,185,76,855,172,38,812,885, 30,653,174,8191		
		F9			
	3810 DW18 103, 48, 5, 30, 71, 171, 000, 095, 76, 039, 166, 75, 76, 79				7,160,167,0888 1370 0878 38,30,171,165,81, 18,61,166,8,6,61,178,8,380,
			180 188 92 70,188,179,02,007, 183 188,02,70,188,01,70,30,0 53,179,30,1031		
19	3600 0416. 73,154,85,95,04,00	P.3		EC	0.000,1582 1302 0431 0.100,40,30,012.0
	7,68,73,913,78,66,056,68,69, 189,76,1887				
	0.60,69,201,00,80,79,81,89.0		.108, 80, 104, 81, 104, 133, 894, 1 04, 133, 353, 168, 8394 4110 0438 353, 75, 95, 895, 58, 8 58, 180, 0, 177, 851, 890, 11, 58, 8	R/A	1900 0414 175,1,150,10,200.0
			15,050,000,0930 VOID DATA DOB, 040,030,050,78		169, 99, 92, 610, 699, 600, 600, 6
					95,36,635,6638 9400 BACA 170,76,138,569,13
v.					72,69,66,32,61,30,0,13,68,6
	3858 8434 72,81,85,151,84,80 9,81,811,88,88,86,72,87,157	64	1130 BASA 138,173,38,297,383	45	TYOU DOOR ME. 60. C. 13.60. 72.1
16	3800 Data 27,182,60,65,64,19				30,1077
	7,07,72,217,82,68,256,68,65,			AD.	THEO DATA 173, 32, 247, 183, 166 .80, 180, 187, 36, 30, 171, 36, 88
28		-	0.090.1789		171, 188, 81, 1808
		100	100 BACA 3F, 180, FEL, LES, FEF , 3F, FOG, LDS, 134, 180, 189, 0, F,	50	175, 388, 85, 3808 9430 Baba Lee, 80, 32, 805, LEE, LEE, 62, LEE, 193, 36, 30, LT1, LEE
	3,76,6600 2002 SACA (SDN,77,69,610,186,			77	169,65,160,997,35,30,171,166 YVVJ BOON 187,36,632,639,139
IX.		30	1160 Sala 202, 15, 217, 21, 165,	31	
			651, 191, 653, 139, 650, 171, 6, 63 0, 696, 79, 131, 6179		
CB	3850 DASH 68,78,808,0,840,3 26,8,179,32,58,981,52,213,26 1,193,1704	32	4170 DADA 184,169,38,141,8,3 .169,808,141,3,3,108,8,3,134	95	7150 BASA 152, 32, 210, 255, 76, 256, 76, 271, 271, 271, 271, 271, 271, 271, 271

#### ASTIN

	5,167,16,30,173,111,2,000,1,				5030 DECK 76, 6, 175, 32, 212, 22
			2.1,290,219,189,13,36,810,86 3.36,119,189,8181		
			4780 DRCA 75,116,154,162,167		
	,027,000,03,185,003,001,3,11				5092 DADA 50,265,36,68,166,7
			3,165,79,160,000		
			1270 0414 1,129,033,133,034,		
	,618.50.605,4,600,3,76,73,58		177,053,000,139,003,133,004,		
			177,053,000,1,50,133,60,136,		
			9700 DRTH 80,160,9,130,50,13		
	65, 803, 801, 3, 808, 3, 75, 106, 19				
			F, 66, 177, 251, 281, 39, 230, 2, 23		
			0,90,351,0055		
			1790 BACA NO.177, NRI. NYS. 30.		
	.30, 27, 558, 30, 84, 168, 564, 211		133,000,104,00,177,263,240,1		
	100,30,710,000 1000 0000 00,150,70,010,78,0				, 78, 116, 154, 174, 5, 20, 150, 156
					100 00 00 100 100 100 100 100 100 100 1
	09,136,611,638,638,vc,188,80				
81	8,839,840,67,7678 4830 Bata 30,37,180,32,01,10				F, 153, 104, 005, 60, 60, 77, 34, 14
			9000 DACA 69, 200, 180, 32, 223,	255	
	8, 554, 251, 152, 0, 250, 55, 552, 4		180, 180, 0, 749, 15, 180, 20, 185,		6090 6414 835, 183, 165, 20, 133
	0,690,51,1906				,851,195,83,133,852,884,16,1
	9990 DACA 139,130,611,630,63				
	E, ve, ine, pop, 230, 240, 40, 162,				
	9,194,712,179,2550				
			90,177,053,133,61,90,36,38,18,1		
					9180 DACA 3,141,804,891,173.
	WIND DACK 188, 808, 841, 38, 108				
			0,000,0,170,00,130,73,30,000		\$1.90 Dole 200, 741, 3, 3, 180, 60
					5,160,1,70,139,109,140,30,14
	9880 6818 811,890,893,136,13		1890 (819 30,164,73,41,127,3		
					\$140 Date ton, pon. 141 . 2 . 2 . 25
			73,055,1680		,118,289,708,9,169,0,133,9,8
					175,169,855,133,8,169,19,30,
	9500 DATA 208, 10, 169, 64, 139,				
					5,170,0,169,19,30,189,659,89
			9990 Shin 093,811,36,15,98,8		
	29,70,035,179,130,0,111,00,1		10,090,90,095,000,105,158,18		5100 DATE POD, 7, 30, 6, 000, 30,
	89,111,106,2111				
81.	9550 SANA 158, 179, 174.0.180.				
	70,157,0,218,000,000,000,30				
			9900 Onco 130,173,30,047,183		
	3,000,0004				
	9550 DACK COV. 155, F10, 133, 58		950 ORTE 174,094,36,181,0.0		
					44,160,0,150,145,43,30,001,0
			5,70,033,0,133,00,000,07,138		
		es	9000 Dere 130,173,30,047,163		
	18,198,78,78,835,84,165,99,1		,030,00,30,19,166,166,657,62		5030 Defe 3, 3, 169, 1, 139, 183,
			100 000 000, 100, 100, 253, cz		
			0.95, 176, 180, 160, 0, 285, 58, 24		
			5,695,600,180,0076 5,695,600,180,0076		
	4850 Dale 55, 30, 73, 100, 30, 60				

#### LISTIN

41	133,165,1601 5300 OWT# 150,13,251,11,32,2		04,104,141,850,8785		7,201,1889
		34	5566 BASA 201, 32, 229, 201, 75, 69, 225, 150, 239, 171, 62, 201, 19	An	5060 0A0A 70,200,290,190,99
BC.	5300 0000 30,041,060,160,20. 76,50,104,50,76,36,641,600,1	80	5850 DATE 255, 30, 827, 204, 182	83	
			9,160,47,148,750,200,208,74 0,169,198,193,2608 5600 8654 12,189,199,137,44		.251.165.21.130.252.180.56.
100					
	2, 133, 20, 105, 252, 233, 0, 133, 263, 168, 0, 2266		189,651,139,49,169,191,133,4 8,180,46,284,6091		
				100	5850 Date 171, 200, 202, 15, 24
	39, 99, 569, 691, 6906 6390 DAIN 568, 666, 133, 46, 134		119,16,650,6007		
	. VO. DE. 180. NO. 133, USS. 183, VV		\$600 \$600 000,000,70,110,100 ,100,2,41,004,130,1,00,200,1	EA	9900 DAPA (01.30, 48.4, 631, 1 8,144, 8,560, 48,30,632,653,6
	6352 Dele v5, 189, 95, 179,254,	1.0			
	130,050,06,173,141,0,005,1,0 08,10,189,0001		9,180,0,189,199,190,090,0,15 7,167,0,1831		
			5049 Baha 232,200,245,169,40 .157,167,2,230,160,76,157,16	156	5.6,133,253,2104 5900 0808 191,104,230,252,7
	64,6,010,3,76,19,031,105,031				
			7, 2, 232, 130, 2303	10	18.007.007.004.75.0007 0830 DATA PHD.07.170.100.58
			8650 DEFA 160, LET, LED, F, 30, L 83, 255, 86, 30, 200, 204, 37, 68, F		804,100,176,18,884,18,176,3 30,816,855,8074
	234, 173, 30, 1988 1380 Defe 208, 141, 127, 203, 38	80	64, 50, 618, 606.7 5060 lenn 205, 32, 213, 204, 166		
	110 200 200 12 200 12 150 2	1 00		60	5000 DWTW 32,210,255,189,0, 2,600,500,160,263,164,254,0
	119,003,030,30,000,30,160,0				
EO	\$300 Dece 001,1,000,000,180, 187,001,4,000,007,30,110,003 173,187,000,0001	CB	6870 DRIN 181, V4, 157, 65, 3, 60 2, 600, 693, 189, 0, 133, 10, 36, 61	90	
					139, 187, 3F, FLO, FRS, LSF, 30, 8: 9, PSS, 3F, 179, F3SS
				21	
	29,180,099,30,179,039,139,09 8,090,80,098,0943				
		15	1, 010, 0, 1874 1600, 0418, 70, 8, 179, 180, 188, 1	10	70,040,40,130,0077 8070 0656 08,134,08,107,144
	111,50,000,02,110,005,00,000				
			% 141 107 806 8351 5780 Defe 78 100 895 881 34	20	\$,108 0,1700 1080 haba 1,049,3,000,000,0
					8,168,98,004,5,000,6,30,610,
	91,7,160,75,F468 9300 0818 791,193,7,96,189,0		100,130,250,180,0001		
-4		P0	Transport of 141,187,800,381	78	9090 Dere 200,795,169,0,350,
					1,76,90,171,30,021,006,165,1 91,79,000,0240
	0. 180, FD. 181, FD. 78, 117, 189	81	100,103,200,100,200,000,000,000,000,000,000,000	w	
					04, 38,116,0,104,208,7,32,56, 168,790,1779
09		62		ce	
	20%,185,1,200,65,199,23,165, 167,16,15,1860		051,76,000,009,30,199,009,30 ,186,009,36,0363	100	00,7,30,043,180,040,37,008,1 9,004,70,00300
46			1074 5073 100, 000, 78, 118, 189	33	9,006,70,0030 8000 Dern 000,37,30,813,004,
	. 621 . 0. 170 . 10. 170 . 30, 613 . 694		50'40 5434 100,003,78,118,184 189,172,88,000,040,00,168,1	-0	
	3470 0878 38,800,804,78,49.8	100	85,741,743,0,0100 8750 BION 189,100,741,144,0.		173,050,101,001,15,010,75,30
				50	6838 6414 558, 173, 37, 386, 185
					(01,0,043,3),133,0,30,013,0 04,30,104,1083
	5'900 5939 504,1,744,090,004, 3,178,000,139,0,30,813,004,3	44	\$760 BASA 90, 189, 188, 191, 80, 2,168,023,191,01,3,30,383,00	01	
					116,184,000,83,008,3,76,150, 874,800,78,8890
na	5430 0414 75,005,004,30,005	66	\$770 OMER 182.7,189,51,609,1	60	eond this 808, 7,78,8,805,38,000,38,000,007,70,8,175,32,009,805
	829, 26, 250, 173, 26, 260, 180, 16 0.78, 513, 524, 5300		\$7,8,3,800,38,847,389,50,343 .48,3,5883		200,209,70.0.175,30,009,255,
		190		32	
	181,79,000,004,008,9,76,8,17		69,65,793,59,9,369,079,191,9 1,9,389,1707		
				11	
				11	\$070 8454 96,58,96,162,8,199 ,57,189,248,199,38,418,499,6
no.	149,62,8177 6500 0604 204,95,169,8,139,1	00	1000, 20, 1000 1000 0000 111 00 0 00 78 100		
100		-		#1	8080 DATE 35,000,804,35,853, 174,35,136,173,35,847,183,76
63	0.130 DASA 160,76,837,846,169 -0.139,850,169,0,139,868,160	42	1810 Date 201, 18, 3, 78, 114, 25 1, 30, 160, 246, 30, 505, 255, 290,	10	
					04,30,186,189,30,800,804,78,
50		10"		15	116,264,79,8141 6100 BASA 30,000,004,104,30.
	32,195,250,200,192,07,000,09		, 263, 263, 32, 24, 829, 32, 149, 20 5, 32, 162, 205, 2504		
-		34			9,30,31,180,8171 8110 Defe TE,880,884,170,38,
				100	
58	4,200,350,0,2625 5560 DWIN 110,651,59,38,58,60.8	78	1901, 221, 189, ECC.E 1890 DEFF. 78, 131, 189, 38, ECE.		
100		10		90	8100 DACK 171, TO, 013,004,30,
_					g.#37.208.0.#399
			5850 6434 192,000,3,76,0,175 ,021,68,000,5,141,40,627,642		insect on Page 94.

### OUR COMMODORE

01-437 0699

STREET LTD, LINE CO.

TECH DRAW \$4 - /

Fall dereits in Your

Over how Your Const

SOFT LINE

# WARREST BRADEN FOR PRICE STREET

CHEST NO. PRESTATE CHEST TAPE COLE. 17 LOWER PARK FO. CAMEN'S PARK CHESTER CHITES.

HARDWARE FOR SALE

D.P.C.F.COMPUTER SERVICES LTD

D.P.C.E., Wilkinson Heuse, Telspace 2. Stafferd Pk., Tellierd, Stropethire TF3 3BD Tel: (0952) 620 488 NOTE: For allows please send £2.00 p4p.









	A.	<u>VTR</u>			
We require	344	mes in	3	907	

peripherals on request.
se shows Platfal soler with reper made payable to G-TEX.

G-TEK, UNIT G. LAMMAS COURTYARD, WELDON INDUSTRIAL

### Repairs Guide Call Alan Cole on 01-437 0699

FOR FAST, RELIABLE AND PROFESSION REPAIRS AT COMPETITIVE PRICES

P M ENGINEERING

ET en alle auget instance, Soltane, Man Oles.

For en alle auget instance, Soltane, Man Oles.

MEXT COPY DEADLINE FOR AUGUST ISSUE IS

MICRO COMPUTER BY SERVICES COMPUTER FOR AN SERVICE BECARBON COMPUTER FOR AN SERVICE BECARBON COMPUTER FOR AN SERVICE BECARBON COMPUTER FOR AN SERVICE AND SERVICE

STORY OF PERSONNEL STORY OF THE PERSONNEL STO

TO A 407 6429

THE REPORT OF THE PROPERTY OF T

A dest (immension 1907 à 1501 (de 17) à la Assissa tange et Computere à l'imitate (premium pediatr') (a.14) (a.14) (a.14) (imit s, il springiate finale arress, mintate (imit s, il springiate finale arress, mintate (imitate il imitate de l'imitate (premi premium pediate (a.14) (a.14) (a.14) (a.14) (a.14) (imitate (a.14) (a.14) (a.14) (a.14) (a.14) (a.14) (imitate (a.14) (a.14) (a.14) (a.14) (a.14) (a.14) (a.14) (imitate (a.14) (a.14)

COMMODORE

Commodore - 10 Cord - 10

CLASSIFIED COUPON ....

LEASE SEBIT MY ACCESSIBATICA YCARD NO. Boy Con Squater

......

Commudate Where Are You?

# Puzzle Corner







AMIGA Seeing to believing! This to 100.88 chance to key it and the syname!!

First to: Communitive Show Notice Europe House, Addingson Fack,



# You won't find these programs in the top ten!



Programa like MIKEO ASSEMBLES and the ZOOM monitor arout, make it sees to THE BUILD MARTER WHICH LAT HOLE

SUPERSOFT, Windrester House,

nd these programs e top ten!



it works with software from DPT.

PERSORT

Which disk drive?

DIRECTORY EDITOR

OMM